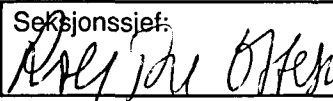


NGU-rapport 90.044

Kjemisk sammensetning av
drikkevann i Norge -
dokumentasjon av analysedata

Rapport nr. 90.044	ISSN 0800-3416	Åpen/Åpnet/Åpne	
Tittel: KJEMISK SAMMENSETNING AV DRIKKEVANN I NORGE - DOKUMENTASJON AV ANALYSEDATA			
Forfatter: TROND PEDER FLATEN		Oppdragsgiver: NGU/Universitetet i Trondheim	
Fylke: -		Kommune: -	
Kartbladnavn (M. 1:250 000) -		Kartbladnr. og -navn (M. 1:50 000) -	
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Seksjonssjef: 			
Sammendrag: <p>Rapporten dokumenterer analyseverdier for Si, Al, Fe, Ti, Mg, Ca, Na, Mn, Cu, Zn, Pb, Ni, Co, V, Mo, Cd, Ba, Be, Sr, Li, K, F, Cl, Br, NO₃, SO₄, pH, konduktivitet, TOC og fargetall i ferdig behandlet drikkevann fra 384 norske vannverk som i 1982 forsynte 70,9% av Norges befolkning. Det er tatt 4 prøver fra hvert vannverk, en for hver årstid.</p> <p>Data for alle enkeltanalyser og gjennomsnittsverdier for de 4 prøvene er permanent lagret på magnetbånd ved NGUs sentrale dataanlegg, og kan stilles til rådighet for eksterne brukere ved kontakt med forfatteren.</p>			
Emneord	VANNVERK STORT	KJEMISK ANALYSE	
GEOKJEMI	OVERFLATEVANN	GRUNNSTOFF	
FAGRAPPORT	GRUNNVANNSKVALITET	SPORELEMENT	

INNLEDNING

Under et doktor ingeniør prosjekt ved Norges tekniske høgskole, i samarbeid med NGU, ble det framskaffet en oversikt over den kjemiske sammensetningen av drikkevannet i Norge (Flaten, 1985, 1986a). Resultatene er oppsummert av Flaten og Bølviken (1985, 1989) og benyttet i ulike publikasjoner og rapporter (Flaten, 1984a, 1984b, 1986b, 1987a, 1988a, 1990a, 1990b; Ødegaard et al., 1984). Disse dataene er senere benyttet i epidemiologiske studier (Flaten, 1986a, 1987b, 1987c, 1987d, 1988b, 1988c, 1989; Flaten og Bølviken, 1990; se også Flaten, 1990c). I og med den foreliggende rapporten gjøres alle enkeltdata tilgjengelige for eksterne brukere. Dataene er permanent lagret ved NGUs sentrale dataanlegg, og kopier på bånd/diskett kan fås ved kontakt med forfatteren.

METODER

Mer detaljerte beskrivelser av data og metoder finnes i Flaten (1985, 1986a, 1990a).

Det er samlet inn vannprøver fra 384 vannverk som i 1982 forsynte 2913700 fastboende personer (70,9% av Norges befolkning). Innsamlingen ble foretatt i perioden oktober 1982 - september 1983, og omfattet alle vannverk som forsynte mer enn 1000 fastboende personer som jeg kjente til, samt 44 vannverk som forsynte mindre enn 1000 personer. 349 av vannverkene benyttet overflatevann, 35 grunnvann.

Rengjorte polyetenflasker ble, sammen med en instruks for prøvetaking, sendt ut i posten til de enkelte vannverkene. Hver forsendelse innholdt to flasker, hvorav den ene var tilsatt 2 ml 1:4 HNO₃ (Suprapur, Merck). Vannverkspersonalet ble anmodet om å ta prøvene fra renvannskran på vannverket eller hos en abonnent tidlig på ledningsnett, etter å ha latt vannet renne fra kranen i minimum 5 minutter. Prøveflasker ble sendt ut 4 ganger til hvert vannverk i løpet av ett år, og personalet ble anmodet om å ta de 4 prøvene hhv.:

1. I en periode med stor vannføring om høsten.
2. I løpet av februar.
3. I forbindelse med snøsmelting og stor vannføring om våren.
4. I en periode med lav vannføring om sommeren.

Av de 384 vannverkene ble 4 lagt ned i løpet av perioden. Vannverkene viste stor interesse for undersøkelsen, og 1512 (99,0%) av de 1528 utsendte sett av prøveflasker ble returnert i posten.

I alt 30 ulike bestanddeler ble bestemt, 21 i de surgjorte prøvene og 9 i de ikke surgjorte. *Silisium, aluminium, jern, titan, magnesium, kalsium, natrium, mangan, kopper, sink, bly, nikkel, kobolt, vanadium, molybden, kadmium, barium, beryllium, strontium, litium og kalium* ble bestemt i de surgjorte vannprøvene ved hjelp av induktivt koplet plasmaskpektrofotometri (ICP, Jarrell-Ash modell 975 ICAP Atomcomp.) på NGU. *pH* og *elektrisk ledningsevne* (konduktivitet, 25 °C) ble bestemt på NGU ved standard metoder. *Totalt organisk karbon (TOC)* ble bestemt av SINTEF ved hjelp av en ASTRO 1850 karbonanalysator med peroksy-disulfat-oksydasjon og infrarød deteksjon. *Fargetallet* ble bestemt spektrofotometrisk ved bølglengden 450 nm, også dette av SINTEF. Anionene *fluorid, klorid, bromid, nitrat og sulfat* ble bare bestemt i en av de 4 prøveseriene (vinteren 1983, 94% av prøvene tatt i februar/mars). Analysene ble foretatt med NGUs høytrykks-ione-kromatograf (HPIC, Dionex Corp. USA).

Det ble gjennomført en grundig kvalitetskontroll: Prøvene for hver årstid ble analysert i tilfeldig rekkefølge sammen med standarder, dubletter, null-løsninger og tidligere analyserte prøver. Analyseresultatene virker, med få unntak, pålitelige. En fullstendig oversikt over resultatene, inkludert data for alle enkeltvannverk, kartframstilling av alle undersøkte parametere, og vurderinger av analyseresultatenes pålitelighet og representativitet, er gitt i Flaten (1985).

DOKUMENTASJON AV ANALYSEDATA

Vedlegg 1 viser de 384 vannverk som er prøvetatt. Hvert vannverk er identifisert med et 6-sifret nummer, der de 4 første sifrene er kommunenummeret, og de 2 siste sifrene er vannverkets nummer innen de respektive kommunene. Dette 2-sifrede nummeret er valgt vilkårlig av forfatteren. Det 6-sifrede nummeret følger vannverkene på alle datafilene. Det er gitt navn på vannverket, årstallet vannverket ble satt i drift (dette kan være noe usikkert, spesielt for gamle vannverk), og det totale antall fastboende personer forsynt av vannverket ca. 1. januar 1982 i den kommunen vannverket er kodet til. Enkelte vannverk forsynte i tillegg innbyggere i andre kommuner. Dette gjelder vannverkene 10201 Sarpsborg-Tune,

10301 Fredrikstad og omegn, 10501 Moss-Rygge, 21801 Oppegård, 22601 Blaker-Asktjern, 23001 Lørenskog og Skedsmo, 23101 Nedre Romerike (som etter 1982 har utvidet sitt forsyningsområde sterkt, og overtatt forsyningsnett for flere av vannverkene i området), 23102 Nordbysjøen, 23104 Skedsmo og Nittedal, 23602 Arnes, 41901 Sør-Odal, 52804 Kolbu og Sivesind, 53302 Gran og Lunner IKV, 60201 Glitrevannverket, 70501 Vestfold IKV, 70701 Larvik og omland (LOV), 90301 ITA, 100101 Tronstadvann IKV og 110301 IVAR.

Resultatene for 21 elementer analysert i de surgjorte prøvene er lagret på 5 filer. Filbeskrivelser er gitt i vedlegg 12, analyseverdiene i vedlegg 2-6: Vedlegg 2 gir aritmetriske gjennomsnittsverdier for de fire prøvene tatt i ulike årstider, vedlegg 3-6 gir enkeltverdier for hhv. høst-, vinter-, vår- og sommerprøvene. Alle verdier på datafilene er gitt i $\mu\text{g}/\text{l}$ (ppb), bemerk at dette avviker fra enhetene i tabell 1 for flere elementer.

Resultatene for de ikke surgjorte prøvene er også lagret på 5 filer. Filbeskrivelser er gitt i vedlegg 12, analyseverdiene i vedlegg 7-11: Vedlegg 7 gir aritmetriske gjennomsnittsverdier for de fire prøvene tatt i ulike årstider, vedlegg 8-11 gir enkeltverdier for hhv. høst-, vinter-, vår- og sommerprøvene.

En statistisk oversikt over analyseresultatene er gitt i tabell 1.

Merknader for enkelte vannverk:

12201 Trøgstad: Høst-, vinter- og vårprøvene er fra Rørbrønn I. Sommerprøven er fra Rørbrønn II (Sandstangen). På gjennomsnittsfilene ligger gjennomsnitt av de tre prøvene fra Rørbrønn I.

22702 Tientjernvannledningen: Høstprøven er fra grunnvann (borebrønn, påtenkt som ny vannkilde for vannverket), vinter-, vår- og sommerprøvene fra Tientjernet. På gjennomsnittsfilene ligger gjennomsnitt av de tre prøvene fra Tientjernet.

41201 Narud (Brummunddal): Avherdingsanlegg ble satt i drift mellom vår- og sommerprøvene. På gjennomsnittsfilene ligger gjennomsnitt av de tre første prøvene (uten avherding).

62803 Sætre: Alkalisering (NaOH) ble satt i drift mellom vår- og sommerprøvene. Verdier for pH, ledningsevne og natrium på gjennomsnittsfilene er gjennomsnitt av de tre første prøvene (uten alkalisering).

91401 Tvedestrand: Alkaliserings- og kloringsanlegg ble satt i drift mellom vår- og sommerprøvene. Verdiene for pH, ledningsevne og natrium på gjennomsnittsfilene er gjennomsnitt av de tre første, ubehandlede prøvene.

91901 Osevollen: Fullrensing ble satt i drift mellom vinter- og vårprøvene. På gjennomsnittsfilene ligger gjennomsnitt av de to første, ubehandlede prøvene.

126301 Knarvik: Vannverket har skiftet vannkilde; høst- og vinterprøvene er fra Storavatnet, vår- og vinterprøvene fra Langevatnet. På gjennomsnittsfilene ligger gjennomsnitt av de to siste prøvene (Langevatnet).

154601 Harøy: Vannverket skifter inntak mellom to bassenger. Høst- og vinterprøvene er fra basseng II, vår- og sommerprøvene fra basseng I. På gjennomsnittsfilene ligger gjennomsnitt av alle prøvene (den fysikalsk-kjemiske vannkvaliteten er svært lik i de to bassengene).

TABELL 1. Konsentrasjoner av 30 bestanddeler i ferdig behandlet drikkevann fra 384 norske vannverk prøvetatt 4 ganger (høst 1982, vinter, vår og sommer 1983) (mg/l = ppm, µg/l = ppb).

Bestanddel		Deteksjons- grense	Over grense (1)	Median	Aritmetrisk middel	Konsentrasjons- område	Max/min (2)
Silisium	(mg Si/l)	0.12	99.0	0.88	1.20	<0.12 - 9.2	>75
Aluminium	(mg Al/l)	0.04	64.0	0.06 (3)	0.11	<0.04 - 4.1	>100
Jern	(µg Fe/l)	4	95.2	47	108	<4 - 4370	>1000
Titan	(µg Ti/l)	2	3.7	<2	<2	<2 - 62	>30
Magnesium	(mg Mg/l)	0.03	99.9	0.69	0.95	<0.03 - 13.0	>430
Kalsium	(mg Ca/l)	0.008	100.0	2.87	4.85	0.17 - 57.4	346
Natrium	(mg Na/l)	0.012	100.0	3.79	5.17	0.32 - 115	365
Mangan	(µg Mn/l)	20	25.7	6 (3)	23	<20 - 990	>50
Kopper	(µg Cu/l)	0.4	81.7	11.7	45.0	<0.4 - 2890	>7000
Sink	(µg Zn/l)	2.5	91.9	13.5	50.9	<2.5 - 3220	>1300
Bly	(µg Pb/l)	35	0.3	<35	<35	<35 - 680	>20
Nikkel	(µg Ni/l)	15	1.3	<15	<15	<15 - 57	>4
Kobolt	(µg Co/l)	8	0.0	<8	<8	<8	-
Vanadium	(µg V/l)	3	3.8 (4)	<3	<3	<3 - 8 (4)	-
Molybden	(µg Mo/l)	4	4.0	<4	<4	<4 - 7	-
Kadmium	(µg Cd/l)	2.5	30.6 (4)	<2.5	<2.5	<2.5 - 11 (4)	-
Barium	(µg Ba/l)	10	42.2	8.5 (3)	15.1	<10 - 480	>48
Beryllium	(µg Be/l)	0.4	15.6 (4)	<0.4	<0.4	<0.4 - 1.4 (4)	-
Strontium	(µg Sr/l)	0.4	100.0	14.8	26.5	1.5 - 571	380
Litium	(µg Li/l)	2	1.5	<2	<2	<2 - 12.5	>6
Kalium	(mg K/l)	0.2	43.8	0.14 (3)	0.30	<0.2 - 5.3	>26
Fluorid (6)	(µg F ⁻ /l)	1	100.0	58	87	13 - 1210	93
Klorid (6)	(mg Cl ⁻ /l)	0.01	100.0	6.40	8.22	0.46 - 117	254
Bromid (6)	(µg Br ⁻ /l)	5	64.1	11	17	<5 - 441	>88
Nitrat (6)	(mg NO ₃ ⁻ /l)	0.05	75.8	0.46	0.90	<0.05 - 21.4	>430
Sulfat (6)	(mg SO ₄ ⁻ /l)	0.05	100.0	5.28	8.22	1.36 - 39.6	29
pH		-	100.0	6.75	6.72	4.50 - 10.28	602600 (5)
Konduktivitet	(µS/cm)	-	100.0	50.4	63.2	8.0 - 620	78
TOC	(mg C/l)	-	100.0	2.35	2.69	0.22 - 10.0	46
Fargetall	(mg Pt/l)	-	100.0	11	15	0 - 145	>145

(1): Prosentvis andel av analysene som er over deteksjonsgrensen.

(2): Forholdet mellom høyeste og laveste enkeltobservasjon.

(3): Middelveidien er under deteksjonsgrensen.

(4): Verdiene over deteksjonsgrensen er antakelig ikke signifikante.

(5): Forholdet mellom høyeste og laveste H⁺-konsentrasjon.

(6): Anioner ble bare bestemt i vinterprøven.

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NUMMER	NAVN PÅ VANNVERKET	NAVN PÅ VANNKILDEN	STARTÅR	FORS.
10101	HALDEN	LILLE ERTEVANN	1953	23000
10201	SARPSBORG-TUNE	GLOMMA	1965	12000
10301	FREDRIKSTAD OG OMEGN	GLOMMA	1963	22400
10302	FREDRIKSTAD KOMMUNALE	TVETERVANN	1908	5600
10501	MOSS-RYGGE	VANSJØ	1937	23000
11501	SKJEBERG	ISESJØ	1977	10500
11901	ØRJE	RØDENESSJØEN	1936	1700
12201	TRØGSTAD	GRUNNVANN ØYEREN	1979	3750
12301	SPYDEBERG	LYSEREN	1961	4000
12401	ASKIM	GLOMMA	1964	12000
12501	EIDSBERG	ØYEREN	1965	8000
12801	RAKKESTAD	GRUNNVANN I FJELL	1980	3500
13801	HOBØL	LYSEREN	1970	2000
21301	SIGGERUD	GRUNNVANN (BOREBRØNNER)	1968	1300
21501	FROGN	OPPEGÅRDTJERNET	1952	5000
21502	DRØBAK	NEDRE DAM	1887	2500
21601	NESODDEN/BRÅTEM	BRÅTE/BLEKSLITJERN	1965	5500
21801	OPPEGÅRD	GJERSJØEN	1960	15000
21901	BÆRUM	AUREVANN	1960	67000
21902	BÆRUM	ØSTERNVANN	1915	12000
22001	STORE SANDUNGEN	STORE SANDUNGEN	1954	20000
22002	FINNSRUD-BRENNSRUD	FINNSRUDVANN/BRENNSRUDVANN	1937	10000
22101	STORE LANGSJØ	STORE LANGSJØ	1978	5500
22601	BLAKER/ASKTJERN	ASKTJERN	1955	2000
22602	SØRUMSAND	LINTJERN	1959	2000
22603	SØRUM	BEKK FRA BÆREGGTJERN	1923	1600
22701	FET	ABBORTJERN	1939	1100
22702	TIENTJERNVANNLEDNINGEN	TIENTJERN	1909	2300
22801	RÆLINGEN	RAMSTADSJØEN	1951	4000
22901	FLATEBY	GJEDDEVANN	1958	2500
22902	YTRE ENEBAKK	BØRTEVANN	1960	3400
23001	LØRENSKOG OG SKEDSMO	DRETVANN	1951	18000
23101	NEDRE ROMERIKE	GLOMMA	1980	10000
23102	NORDBYSJØEN	NORDBYSJØEN	1964	19500
23103	ÅMOTDAMMEN	ÅMOTDAMMEN	1949	4500
23104	SKEDSMO OG NITTEDAL	NEDRE OG ØVRE RYGGEVANN	1931	4500
23301	NITTEDAL	HØLDIPPELDAMMEN	1960	4300
23501	ULLENSAKER	BJERTNESSJØEN	1963	16500
23601	NES (FENSTAD)	ELLINGSJØEN	1950	4450
23602	ÅRNES	DRAGSJØEN	1910	6300
23701	EIDSVOLL	NETSJØEN	1912	5800
23702	EIDSVOLL (MINNESUND)	TISJØEN	1962	5600
23801	VIKKEVANN	DAM I VESLEVIKKA	1932	1600
23802	GIMILVANN	DAM I MIKKELSBEKKEN	1927	3500
23803	LØYSA	DAM I FISKELØYSA	1932	1000
23804	ROTUVANN	ROTUA	1958	800
23805	HONA	HONA	1935	750
23806	HARSTADVANN	HARSTADVANN	1922	700
30101	MARIDALSVANN	MARIDALSVANN	1900	339000
30102	ELVÅGA	ELVÅGA	1900	35700
30103	LANGLIVANN	LANGLIVANN	1900	35700
30104	NØKLEVANN	NØKLEVANN	1900	17800
30105	ALUNSJØEN	ALUNSJØEN	1900	17800
40101	HAMAR	MJØSA	1956	17500
40201	KONGSVINGER	GRANLI (GRUNNVANN)	1969	13000
41201	NARUD (BRUMMUNDDAL)	NARUD (GRUNNVANN)	1973	7000
41202	MOELV	MOELVA	1938	3750

NUMMER	NAVN PÅ VANNVERKET	NAVN PÅ VANNKILDEN	STARTÅR	FORS.
41203	NES	MJØSA	1980	1300
41401	VANG	FLAGSTADELVA	1870	5700
41501	LØTEN	MOSJØEN	1950	4000
41701	STANGE	MJØSA	1948	8700
41801	JUPTJENN	JUPTJENN	1959	2510
41901	SØR-ODAL	GJØRELSJØEN	1981	6500
42001	KROKSJØEN	GAUSTADMOEN (GRUNNVANN)	1970	3600
42002	KROKSJØEN	MATRAND (GRUNNVANN)	1970	1800
42301	GRUE	LINDTJERN	1923	2500
42501	ASNES (FLISA)	GLOMMA	1953	2700
42601	BRASKEREIDFOSS	GRUNNVANN	1967	800
42602	VÅLER	GLOMMA	1956	1200
42701	ELVERUM (ØSTSIDA)	SAGTJERNET (GRUNNVANN)	1959	8300
42702	ELVERUM (VESTSIDA)	GRINDALSMOEN (GRUNNVANN)	1959	2200
42801	INNBYGDA	ØRÅA	1957	1750
42901	RENA	GRUNNVANN	1968	2500
43001	KOPPANG	ØVERENGA (GRUNNVANN)	1975	2100
43601	TOLGA	TALLSJØEN	1960	1500
43701	TYNSET	AUMA	1960	2400
50101	LILLEHAMMER	KORGEN (GRUNNVANN)	1982	16000
50102	FÅBERG STASJON	GUDBRANDSDALSLÅGEN	1946	800
50201	GJØVIK	MJØSA	1934	16000
50202	BIRI	BRØNN I LØSMASSE	1969	1300
51101	DOMBÅS	HINDYRJA	1975	1000
51601	VINSTRÅ	GIVERHAUG (GRUNNVANN)	1976	1600
51701	OTTA	SELSVERKET (GRUNNVANN)	1973	3500
52001	RINGEBU	GRUNNVANN I LØSMASSE	1975	1500
52801	SKREIA	SKJEPPSJØEN	1953	6000
52802	LENSBYGDA	RISELVA	1952	2500
52803	LENA	SLOMMATJERNET	1935	2500
52804	KOLBU OG SIVESIND	LENAELVA	1953	2000
52901	RAUFOSS	SKJELBREIA	1965	8200
52902	EINA	SKJELBREIA	1950	700
53201	JEVNAKER	RANDEFJORDEN	1973	4200
53301	HARESTUA	BEKK FRA NORDPIPEREN/MONSRUDTJ.	1955	1000
53302	GRAN OG LUNNER IKV	GRØA	1980	3500
53401	BRANDBU	RANDEFJORDEN	1929	2800
53801	DOKKA	GRUNNVANN FRA DOKKA	1980	2000
54201	FAGERNES	STRANDEFJORDEN	1958	1600
60201	GLITREVANNVERKET	GLITREVANN	1978	30000
60202	DRAMMEN	RØYSJØ	1960	15000
60203	BREMSA	BREMSA	1965	5000
60401	KONGSBERG	RUNDETJERN	1639	14035
60402	FOSS	FOSS/FOSNES (GRUNNVANN)	1958	1000
60501	HØNEFOSS	BEGNA	1870	17000
60502	TYRISTRAND	VÆLEREN	1954	2100
61201	GJESVOLDÅSEN	TYRIFJORDEN	1963	1750
61202	RØYSE	TYRIFJORDEN	1963	1000
61601	NESBYEN	BANKEPLASSEN (GRUNNVANN)	1967	2000
61701	GOL	EIKLID (GRUNNVANN)	1960	1500
61901	ÅL, AVD. SUNDRE	DAMTJERN	1935	2200
62001	GEILO NYE	BUDALSVATNET	1953	3000
62002	HOL	DAMTJERN	1967	500
62301	MODUM	URVANN/DAMTJERN/MIDTTJERN	1955	5400
62302	ØSTRE ÅMOT	MELUMDAMTJERN/KOLBJØRNSRUDTJ.	1932	2400
62401	ØVRE EIKER	KOLBREKVANN	1952	11000
62501	NEDRE EIKER	BORGETJERN	1917	7900
62601	SYLLING	HOLSFJORDEN	1981	1000
62701	RØYKEN	SÆTERVANN	1953	8200

NUMMER	NAVN PÅ VANNVERKET	NAVN PÅ VANNKILDEN	STARTÅR	FORS.
62702	RØYKEN	BÅRDSRUDTJERN	1973	4600
62801	FILTVET	HUSEBYVATN	1967	2000
62802	HOLMSBU	GRUNNVANN (BOREBRØNN)	1905	500
62803	SÆTRE	BJØRVANN	1936	2400
62804	TOFTE	STRIGLEVANN	1934	2500
62805	ASHEIM	SANDUNGEN	1951	450
70201	HOLMESTRAND	KORSSJØ/OREBERGVANN	1963	7500
70501	VESTFOLD IKV	FARRISVANN	1968	9000
70701	LARVIK OG OMLAND (LOV)	FARRISVANN	1953	8200
70801	STAVERN	HALLEVANNET	1942	2900
71101	EBBESTAD	EBBESTADVANN	1912	1600
71301	SANDE	LILLEVANN	1946	2500
72601	BRUNLANES	HALLEVANNET	1959	2000
72701	KVELDE	MUSEVANN	1956	1400
80501	PORSGRUNN	MJØVANN	1930	30000
80601	STEINSVIKA(SKIEN-SOLUM)	STEINSVIKA I NORSJØ	1962	20000
80602	ØRNSTJERN	ØRNSTJERN	1922	6000
80603	ULVSVANN	ULVSVANN	1863	7000
80604	MO	MODAMMEN	1958	4000
80605	SKOTFOSS (BJØRKØYA)	NORSJØ	1952	3000
80701	NOTODDEN	TINNELVA	1958	11000
81401	BAMBLE/FLÅTE	FLÅTEVANN	1978	6500
81501	KRAGERØ	GRØTVANN	1972	7000
81701	STRANDA OG KJEÅSEN	OSEIDVANN	1969	1582
81901	ULEFOSS	NORSJØ	1967	3500
81902	VASSÅS	REKATJØNN	1948	2300
82101	BØ	HAGADRAG (GRUNNVANN)	1979	2600
82601	SÅHEIM	MØSVANN	1915	6000
82801	SELJORD	KIVLEÅI	1954	1500
82901	KVITSEID	STEMTJØNN	1963	600
90101	RISØR	BOSVIKTJERN/STEMTJERN	1967	4000
90102	SØNDELED	MOLANDSVANN	1971	800
90301	ITA	ROREVANN	1973	11600
90401	GRIMSTAD	ROREVANN	1866	11000
91401	TVEDESTRAND	SVARTTJERN	1950	2000
91901	OSEVOLLEN	NIDELVA	1968	1000
92601	LILLESAND	GRIMEVANN	1973	5000
92801	FROLAND	FLAKK (GRUNNVANN)	1968	1800
93701	EVJE OG HORNNES	RØYRKILEN (GRUNNVANN)	1977	2100
100101	TRONSTADVANN IKV	TRONSTADVANN	1977	26000
100102	ROSSEVANN	ROSSEVANN	1969	34000
100201	MANDAL	SKODBERGVANN	1967	7000
100301	FARSUND	SKIDVANN	1921	3500
100302	LISTA	KLEVELANDSVANN	1942	4500
100401	FLEKKEFJORD	RAULIVANN	1867	4000
100402	LOGA	STEMTJERN	1951	900
100403	VESTSIDEN	GRÅSTEINSBEKKEN	1955	800
101401	VENNESLA	OTRA (GRUNNVANN)	1976	6000
101402	KVARSTEIN	LINVANNET	1957	1000
102101	MJÅVATN	MJÅVATN	1977	800
102901	VIGELAND	LIANSVANN	1949	1000
103201	LYNGDAL	ÅVITSLANDSVANN	1963	1300
103202	ROM	PRESTSTEMMEN, JOVANN	1959	1000
103701	KVINESDAL	SKJENØYNA (GRUNNVANN)	1979	1500
110101	EGERSUND	TVEIDAVANN	1876	8000
110201	RISKA	FJOGSTADVANN	1932	2000
110301	IVAR	LANDEVANN	1960	90000
110601	HAUGESUND	STAKKESTADVANNET	1975	25000
111101	HAUGE OG OMEGN	TURBINLEDNING	1959	1500

NUMMER	NAVN PÅ VANNVERKET	NAVN PÅ VANNKILDEN	STARTÅR	FORS.
113001	JØRPELAND	REGNARVATN	1978	4500
113002	TAU	ÅSVATNET	1964	2300
113501	SAUDA	STORLIVANN	1950	5300
114101	FINNØY	BLEIVANNET	1974	1100
114901	AUREIVANN	AUREIVANN	1952	7500
114902	MELSTOKKEVATN	MELSTOKKEVATN	1950	2000
114903	MJÅVATN	MJÅVATN	1969	3000
114904	BREKKEVATN	BREKKEVATN	1968	11000
120101	SVARTEDIKET	SVARTEDIKET	1855	51800
120102	TARLEBØ	TARLEBØVANN	1924	23300
120103	SKREDDERDALEN	DAM I SKREDDERDALEN	1878	3900
120104	STOREMØLLEN	STORAVATN	1963	1900
120105	FYLLINGSDALEN	GJEDDEVANN/BJØRNDALSVANN	1961	9100
120106	LØVSTAKKVANN	LØVSTAKKVANN (LAKSEVÅG)	1908	4000
120107	LIAVANN	LIAVANN (LAKSEVÅG)	1951	7000
120108	STOREVANN	STOREVANN (LAKSEVÅG)	1972	20000
120109	VANNVERK I, SEDALEN	SØRE GLYVREVANN (FANA)	1949	15500
120110	VANNVERK II, SVARTEVANN	SVARTEVANN (FANA)	1967	15500
120111	ARNA	RAUDTJERN (ARNA)	1965	5000
120112	YTRE ARNA	GAMSEBOTJERN (ARNA)	1935	3000
120113	BOGETVEDT	BOGETVEDTTJERN (ÅSANE)	1951	3500
120114	JORDALSVANN	JORDALSVANN (ÅSANA)	1973	23500
121901	BREMNES	HALDORSVATN	1970	2000
122101	STORD (LEIRVIK)	TYSSEVATN	1980	12000
122401	HUSNES	HELLANDSELVA	1965	4950
122801	ODDA	SANDVINVATNET	1908	7000
122802	TYSSEDAL	TYSSOELVA	1918	1000
122803	TOKHEIM	TOKHEIMELVA	1948	900
123501	PRESTEGÅRDSMOEN	GRUNNVANN	1970	8500
123801	KVAM	MYKLAVATN	1980	4400
124301	OS	KROKVATN	1970	6000
124701	ASKØY	KLEPPEVATN	1962	9500
125101	DALEKVAM	BERGSDALSELVA	1920	1700
125102	VAKSDAL	BOGEVASSDRAGET	1975	1100
125103	STANGHELLE	KRAKSÆLVA	1967	700
126301	KNARVIK	STORAVATN/LANGEVATN	1983	2500
140101	FLORØ	SAGAVATNET	1969	5750
141601	HØYANGER	BREIDALSVATN	1979	2310
141602	KYRKJEBØ	LJOTEBOELVA	1966	700
142001	SOGNDAL	SOGNDALSELVA	1956	2300
142201	LÆRDAL	OFTA	1960	1200
142401	ØVRE ÅRDAL	HOLSBRUVATN	1949	4000
142402	ÅRDALSTANGEN	GRUNNVANN FRA ÅRDALSVATNET	1980	2700
142801	ASKVOLL OG HOLMEDAL IKV	ASKELVA	1957	750
142901	ASKVOLL OG HOLMEDAL IKV	BAKKEELVA	1982	700
143201	FØRDE	BEKKJEVATN	1977	6000
143801	SVELGEN	LILLEVANN	1928	1500
143901	MÅLØY	SKRAMSVATNET	1920	2500
143902	FASTLANDET	NYGÅRDESELVA	1965	800
143903	RAUDEBERG	ULVEFALLENE	1956	850
143904	BRYGGJA	NYSETREVATN	1967	1000
144301	NORDFJORDEID	FARGARELVA	1949	2200
144302	KALDEKLOVEN	BEKK FRA REGULERTE VANN	1976	730
144501	SANDANE	JARDØLA	1968	1500
150101	ÅLESUND	LANGEVATN/BRUSDALSVATN	1902	33400
150201	MOLDE	FJELLBRUDAMMEN	1864	16000
150202	HJELLSET OG KLEIVE	GUJORDELVA	1957	3000
150203	NESJESTRANDA	VIKVATN	1968	1500
150301	KRISTIANSUND	STORVATNET	1979	18000

NUMMER	NAVN PÅ VANNVERKET	NAVN PÅ VANNKILDEN	STARTÅR	FORS.
151401	GURSKEN/GJERDSVIKA	SÆSSVATN/SEDALSVATN	1980	400
151601	ULSTEIN	MOSVASSELVA	1958	1530
151602	ULSTEIN	GARNESVATNET	1974	2770
151701	HAREID	HAMARSTØYLVANNET	1970	1200
151901	VOLDA	DINGLAVATNET	1891	5500
152001	ØRSTA	VASSKOPPVATN	1966	5000
152501	STRANDA	BUVATN	1939	3000
152801	SYKKYLVEN	ÅRSETVATNET	1982	3000
153201	GISKE	ALNESVATNET	1964	5700
153401	VATNE	ULVESTADVANNET	1966	1300
153402	BRATTVÅG	STORE HESTEVATN	1961	3000
153501	VESTNES	SPROVSVATNET	1976	2300
153901	ANDALSNES	VENJEÅA	1924	2500
153902	HEN (ISFJORDEN)	SKARELVA	1949	1700
154601	HARØY	BASSENG I OG II	1967	1000
154701	AUKRA	TVERRLIVATNET	1970	3000
154801	FRÆNA	HAUKÅSSÆTRA (ELV) + GRUNNVANN	1975	2000
155101	EIDE	ELV NEDENFOR TROLLDALSVATN	1962	1000
155401	FOLLAND	VASSDALSELVA	1960	2000
155402	NORDRE AVERØY	STORVATNET	1973	2500
155403	INDRE AVERØY	TARALDSVATNET	1974	1000
156001	INDRE TINGVOLL	TORJULVATNET	1973	2150
156301	SUNNDAL	DRIVA	1955	4900
156302	ÅRDAL OG SUNNDAL VERK	KALKEN (GRUNNVANN)	1953	1100
156601	SURNADAL	FAUSKÅA	1979	2100
156701	RINDAL	GRØNLIVATNET	1966	1400
156901	AURE	STEINGEITVATNET	1976	1200
160101	TRONDHEIM	JONSVANNET	1930	85500
160102	TRONDHEIM	LEIRSJØEN	1930	45000
160103	TRONDHEIM	ESTENSTAD	1930	2500
161201	KYRKSÆTERØRA	ROVATNET	1953	2200
162401	HASSELVIK OG FEVÅGEN	NORDLAUGEN	1981	1000
162402	RÅKVÅG	OSAVATNET	1960	1000
162403	RISSA	DYRENDALSVATNET	1960	2000
162404	STATSBYGD	KÅRLIBRUNNEN (TJERN)	1960	800
162701	BJUGN	BARSETVATNET	1930	8000
163001	ÅFJORD	GROVLIVANN	1964	1800
163401	OPPDAL	ÅLMAELVA	1948	2980
163601	LØKKEN	STYGGTJØNNA	1939	1700
163602	MELDAL	SYA	1971	550
163801	ORKDAL	STRØMTJØNNA	1960	7400
164001	RØROS	HITTERSJØEN (GRUNNVANN)	1980	4000
164401	ÅLEN	RENSJØEN	1967	1100
164801	STØREN	KVERNATNET	1968	2600
165301	MELHUS	BENNA	1970	5900
165701	BUVIK	NYDAMMEN	1960	1500
165702	BØRSA	LANGVATNET	1960	1100
166201	KLÆBU	SELBUSJØEN	1974	2800
166301	HOMMELVIK	STAVSJØEN	1920	3500
166302	VIKHAMMER	HYLLVATNET	1956	3500
170201	STEINKJER	REINSVATNET	1965	12000
170202	MÆRE	BERGSTADVATNET	1961	2500
170203	STOD	SNÅSAVATNET	1963	1500
170301	NAMSOS	TAVLÅA	1968	9500
171401	STJØRDAL	LAUVVATNET	1963	13000
171402	ULSTADVATNET VASSLAG	ULSTADVATNET	1967	2000
171701	FROSTA	HOVDALSVATNET	1973	2000
171801	LEKSVIK	JUVATNET	1971	3300
171901	LEVANGER	HOKLINGEN	1968	10000

NUMMER	NAVN PÅ VANNVERKET	NAVN PÅ VANNKILDEN	STARTÅR	FORS.
172101	VERDAL	LEKSDALSVATNET	1982	8800
172102	VERDAL	LEKLEMSVATNET	1934	8800
172401	MALM	KULLTJÆRN	1958	2000
172402	FOLLAFOSS	TURBINRØR	1952	700
172901	INDERØY	RØFLOVATNET/VÅDALSVATNET	1978	1150
172902	SANDVOLLEN OG UTØY	SKJEMSTADVATNET	1969	1400
175001	RØRVIK	STORDAMMEN	1964	2000
180401	BODØ	VÅGØYVANN	1877	22000
180402	BODØ	SVARTVATNET/VOLLVATNET	1877	2000
180403	TVERRLANDET	VATNVATN	1979	2000
180501	NARVIK	TARALDSVIKELVA	1914	18000
180502	BJERKVIK	VASSDALSELVA	1980	1200
181201	VASSBOTN	VASSBOTNVATNET	1962	1160
181202	VIK	VÅGSVANNET	1957	600
181301	BRØNNØY	SÆTERSTIELVA	1976	5000
181501	VEGA	OKVATNET	1970	1500
181801	HERØY	TEIGSTADELVA	1970	1700
182001	SANDNESSJØEN	STORVATNET	1973	4400
182002	SANDNESSJØEN	GRYTFOTEN/FJELLSÅSEN	1920	1700
182401	MOSJØEN	SKJERVA	1958	10000
182801	NESNA	JORDFYLLINGS DAMMER	1921	1100
183201	HEMNESBERGET	SAGELVA	????	1500
183301	MO	ANDFISKVANN	1952	20000
183302	AGA-HAUKNES	ANDFISKÅGA	1965	2000
183303	STORFORSHEI	KVANNEVATNET	1964	1000
183901	AGLEINÅGA	AGLEINÅGA	1978	600
184001	ROGNAN	BØRÅGA	1958	2000
184101	FAUSKE	KLUNGETHELVA	1945	2000
184102	FAUSKE	STENGVANN	1974	2250
184103	SULITJELMA GRUBER	LONENE	1918	1600
184104	NEDRE VALNESFJORD	STORVANNET	1951	1000
185001	KJØPSVIK	KJØPSNES DAMMEN	1919	1400
185101	LØDINGEN	DAM I ELV FRA HYTTEVANN	1950	2100
185401	BALLANGEN	BØRSVATN	1920	1000
185701	VÆRØY	GRUNNVANN	1980	1000
186001	STAMSUND	VESTERDALSVATNET	1953	2000
186002	LEKNES	LINDALSVATN/KRINGBOTNVATN	1951	1900
186003	BALLSTAD	LÅGVANNET	1948	950
186501	SVOLVÆR	SVARTVANNET/GRØNNÅSVANNET	????	3000
186502	KABELVÅG	DAMVATNET	????	1200
186601	STOKMARKNES	BITTERSTADELVA	1973	3000
186602	MELBU	URVANN	1975	2000
186603	GULSTAD	FINNSTEINBEKKEN	1951	525
186604	HENNES-KVITNES	SVARTDALSELVA	1959	500
186801	SOMMARØY/MYRE	STAVDALSVATNET	1954	2000
186802	INDRE LANGENES	SVARTHAMARDALSVATNET	1968	1200
187001	SORTLAND	STORVANNET	1960	3000
187002	STEIRO	PRESTELVA	1953	400
187003	STEIRO	ELVENESELVA	1953	1000
187004	SIGERFJORD	NORDDALSELVA	1958	600
187005	INDRE EIDSFJORD	BEKK FRA MIDDAGSVANN	1971	700
187006	JENNESTAD	LAMARKVANN	1974	600
187101	DVERBERG OG ANDENES	SVERGEDALSVANN	1961	4400
187102	DVERBERG OG ANDENES	MØLNVANN	1961	1100
187103	BLEIK	BREIDALSVANN	1979	600
190101	HARSTAD	STORVANN NORD	1968	16200
190201	TROMSØ	DAMVANN	1974	29000
190202	TROMSØ	SLETTEELVA	1922	11000
190203	KROKEN	KROKELVA	1962	0

NUMMER	NAVN PÅ VANNVERKET	NAVN PÅ VANNKILDEN	STARTÅR	FORS.
191101	KVÆFJORD	VEBOSTADELVA	1973	2000
191701	IBESTAD	VIKELVA	????	1600
192201	SETERMOEN	LANGVANN	????	2000
192301	SJØVEGAN	GRUNNVANN + NERVATN	1981	1200
192401	BARDUFOSS	ANDSVATN	1956	3300
192402	MOEN/OLSBORG	BRODERSTADBEEKKEN	1959	900
192403	SKJOLD	TØMMERTJERNET	1954	2000
193101	FINNSNES	TVERRELVA	1944	2500
193102	FINNSNES	STORELVA	1944	1700
194101	SKJERVØY	STORBUKTVANN	1972	2400
200101	HAMMERFEST	VESTFJELLVASSDRAGET	1945	7000
200102	HAMMERFEST	SÆTERGAMDALEN	1890	300
200201	VARDØ	OKSVANN	1905	3100
200301	VADSØ	BYVANNET	1951	4900
200302	VESTRE JAKOBSELV	SUDDIELVA	????	800
201101	KAUTOKEINO	GRUNNVANN	1971	1680
201102	MASI	ROAVVEJOKKA	????	500
201201	ALTA	SKARDAMMEN	1950	4500
201202	ALTA	RAIPAS	1969	5500
201601	RYPEFJORD	NEDRE OLAVANN	1954	1500
201801	HAVØYSUND	GURIHOLVANNET	1952	1560
201901	HONNINGSVÅG	SKIPSFJORDSVASSDRAGET	1973	3000
201902	NORDVÅGEN	PRESTVANNET	1927	700
202001	LAKSELV	NEDRE PORSEVANN	????	2400
202101	KARASJOK	RAVDOJOKKA	1976	2000
202201	KJØLLEFJORD	JERNSTEINVANNET	1947	1570
202301	MEHAMN	SØNDRE TVILLINGVANN	1924	1100
202302	GAMVIK	GRYTVANN	1975	320
202401	BERLEVÅG	LØKVIKELVA	1947	1150
202801	BÅTSFJORD	HAVNEVANN	1953	1600
202802	BÅTSFJORD	MARIELVA	1969	1100
203001	SØR-VARANGER	SANDNESELVFELTET	1979	8000

Nr.	Koordinater	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K	
10101	300.74	6556.43	1133.1	131.8	157.1	.8	1286.8	3211.0	3498.9	3.7	186.9	17.8	1.3	3.4	.6	.0	.5	1.8	15.8	.2	20.8	.3	519.2
10201	280.22	6581.74	1118.4	48.0	9.1	.2	828.5	5014.9	7133.6	11.6	.1	3.7	.9	5.6	.0	.4	1.2	2.5	26.9	.2	28.8	.3	467.8
10301	270.60	6572.31	1160.9	146.6	61.7	1.3	1319.5	9142.5	2984.6	12.6	.4	7.6	1.5	.3	.0	.9	1.3	1.2	22.9	.1	32.8	.1	433.0
10302	285.50	6571.94	1020.1	176.9	108.0	.4	1008.1	2560.0	7613.7	19.6	.2	24.6	3.8	3.0	.5	1.1	2.2	2.2	8.0	.0	16.2	.4	244.8
10501	259.18	6596.65	1701.7	453.9	517.1	7.9	2084.3	5782.6	9879.8	44.8	9.2	6.9	6.1	3.4	.7	1.6	2.1	3.4	20.6	.2	38.0	.6	1262.7
11501	284.86	6577.27	1123.2	73.5	5.1	.3	1448.4	3542.9	14765.4	20.6	.6	14.9	.0	3.3	.8	1.6	1.5	1.5	13.8	.0	24.6	.8	703.2
11901	309.74	6599.50	2238.5	522.1	574.5	9.6	1601.1	4130.0	3211.0	17.6	82.5	20.5	7.2	1.8	.2	1.3	.6	2.3	17.7	.0	26.2	.5	733.7
12201	290.10	6617.91	1981.3	86.7	11.2	1.2	3202.7	12279.3	6443.9	6.8	25.3	34.7	.0	1.7	.8	1.1	.4	1.3	32.7	.1	62.4	.6	1453.4
12301	282.32	6624.35	1030.9	63.9	310.5	.8	1297.2	4583.1	3392.9	450.5	3.0	16.6	.0	2.4	.0	1.0	1.0	1.2	25.9	.2	33.6	.2	281.8
12401	280.58	6613.67	1071.4	53.3	12.4	.4	917.1	9304.9	1578.5	6.0	8.0	4.0	7.1	.0	.3	.4	3.1	26.6	.0	35.8	.4	383.5	
12501	286.93	6620.39	1148.7	136.3	6.0	.3	3355.5	21561.7	20203.0	18.9	38.3	5.9	2.0	4.2	.4	1.6	1.4	1.2	13.4	.1	62.9	2.0	2436.0
12801	293.87	6592.77	4619.3	32.8	69.8	.3	3355.5	21561.7	20203.0	18.9	6.1	4.1	2.2	.4	.4	1.6	1.1	1.2	8.5	.1	22.9	3.1	581.2
13801	278.75	6622.06	324.4	33.2	33.2	.0	1766.7	8089.0	14950.3	251.1	.2	8.1	6.7	1.5	.2	.6	3.9	1.2	40.5	.0	88.2	1.1	1544.7
15101	256.61	6625.15	1860.8	2931.7	157.9	.1	1017.1	3825.0	9352.9	258.0	.0	36.5	.0	.5	.4	.0	.7	1.6	25.5	.2	23.1	.2	110.9
21502	255.73	6620.41	1607.1	1955.9	46.7	.4	1162.5	4242.4	12676.9	68.9	16.2	6.4	.0	3.1	.4	.4	.8	3.6	30.6	.0	26.5	.3	370.9
21601	255.39	6637.89	1830.3	88.2	4.3	.2	2552.0	21647.3	7577.2	11.5	3.3	4.3	1.2	2.2	.0	1.5	1.5	1.6	18.4	.1	71.8	1.0	1691.2
21801	263.46	6634.87	1780.8	114.2	5.7	.0	409.4	4871.8	1340.2	20.6	3.8	9.5	.9	.6	.0	1.8	1.2	4.4	12.6	.5	25.2	.7	104.6
21901	246.93	6660.67	1512.3	157.0	88.7	.1	449.1	4763.6	1513.3	17.9	32.8	16.0	.9	.3	.0	1.7	1.7	1.5	13.4	.1	36.0	.0	93.0
21902	254.18	6655.30	1876.6	132.6	77.9	.1	807.4	8139.4	1556.0	28.3	870.9	30.6	1.7	2.6	.0	1.2	1.2	7.3	31.0	.0	85.0	.5	99.0
22001	240.89	6646.34	1009.7	28.5	93.3	.4	1530.9	32940.2	3738.4	14.6	535.7	63.9	2.3	.5	.5	1.5	2.7	19.4	.0	218.1	.2	279.6	
22002	241.03	6639.87	2615.2	17.3	38.2	.4	706.1	5839.0	3769.1	8.2	5.3	6.2	4.0	1.1	.6	1.2	1.9	5.9	13.4	.0	26.2	.6	174.4
22101	308.56	6639.76	1852.5	158.9	58.7	.2	648.0	7362.0	1641.6	18.6	1.0	9.7	2.0	1.9	.4	.3	.5	1.6	13.0	.1	25.7	.3	203.3
22601	301.35	6657.80	1212.1	123.7	230.6	.0	648.0	7362.0	1641.6	18.6	27.6	38.5	.0	.0	.0	2.1	3.2	12.9	.0	13.2	.0	0	
22602	294.82	6652.86	1437.0	1312.7	113.3	.0	648.8	4397.7	23995.0	60.3	35.7	35.5	1.0	4.1	.0	.0	.0	3.2	16.1	.0	18.4	.1	121.9
22603	280.98	6655.85	2115.5	259.9	333.9	.8	599.3	4397.7	1908.6	20.3	14.9	36.4	1.5	5.6	.3	1.3	1.6	18.9	.1	44.0	.3	225.5	
22701	290.22	6648.64	737.1	199.1	328.0	.4	531.6	1899.6	1510.8	48.3	120.3	34.1	6.1	2.8	.0	1.4	1.8	11.4	.1	13.7	.2	219.7	
22702	283.38	6650.55	1426.3	389.6	180.2	1.2	702.2	2961.1	2267.3	26.4	52.4	118.6	4.0	3.1	.0	1.2	2.7	16.5	.1	15.5	1.3	91.7	
22801	279.49	6644.69	380.3	21.7	43.7	.5	605.0	2815.5	1526.4	26.6	10.0	20.9	3.8	.6	.2	.3	.6	2.7	9.2	.3	10.6	.2	91.0
22901	283.65	6637.02	943.6	102.1	2010.5	.2	636.2	2488.7	4604.7	72.6	36.6	2651.9	4.1	6.7	.3	1.0	1.0	3.1	19.3	.4	14.2	.4	207.7
23001	279.46	6642.77	1079.4	72.7	179.7	.0	660.7	3280.2	1798.9	10.4	222.0	41.2	0.4	4.9	.1	.8	1.3	1.6	14.6	.1	13.7	.2	219.7
23002	274.18	6642.95	861.2	46.7	149.1	.1	649.2	3099.3	1742.3	31.8	14.9	36.4	3.6	3.3	.5	.4	1.6	18.9	.1	44.0	.3	225.5	
23101	289.57	6655.92	1287.8	26.1	12.6	.2	1032.9	7845.2	3372.6	8.4	2.3	36.3	3.7	3.3	.7	1.9	3.6	34.0	.1	14.0	.3	577.9	
23102	279.46	6640.65	1093.8	96.6	198.4	.1	783.0	4425.9	1634.1	34.1	22.7	42.3	4.8	1.8	.0	1.5	2.0	20.2	.0	13.6	.0	116.3	
23103	276.91	6647.99	495.1	105.8	246.4	.0	677.7	2767.9	1847.9	33.6	330.4	25.8	.0	1.5	.0	2.6	.2	2.0	20.2	.0	14.8	.0	0
23104	274.15	6662.94	1504.5	286.4	237.0	.3	303.4	1829.1	5581.5	99.1	9.2	21.2	.0	2.2	.2	1.0	.7	5	18.4	.4	13.2	.3	80.3
23301	267.72	6667.20	1380.5	168.7	184.1	.0	527.4	5132.4	3397.2	127.1	107.3	36.3	.0	1.5	.4	1.9	.9	2.5	20.0	.0	16.6	.2	150.9
23501	270.35	6679.14	1729.5	223.8	95.3	.0	249.6	1663.7	6133.4	44.2	1.6	39.7	.0	1.1	.0	.6	2.5	20.0	.0	9.4	.1	59.5	
23601	300.51	6683.76	1173.1	104.6	178.0	.4	771.8	3846.8	1589.1	11.0	33.4	43.2	0.6	6.2	.0	1.7	1.1	13.1	.1	15.0	.2	185.0	
23602	266.64	6666.27	1864.0	206.7	294.4	.4	751.7	4324.9	1554.0	61.5	108.5	10.0	2.4	1.2	.0	.8	1.5	9.4	.1	13.5	.0	96.2	
23701	287.93	6695.24	1428.0	113.1	157.3	.3	536.9	3109.6	1957.1	76.6	68.7	29.5	3.1	.0	.2	.8	3.4	20.8	.0	16.4	.1	115.1	
23702	288.60	6705.54	1187.2	35.9	268.7	.4	453.2	4476.9	1187.5	2.9	154.3	96.2	21.5	5.9	.3	.6	3.4	19.7	.2	19.8	.2	205.0	
23801	277.77	6689.36	1383.3	350.4	167.8	.3	317.5	1390.8	1253.1	128.6	32.8	158.7	.0	.3	.0	1.3	2.1	13.5	.6	10.7	.4	45.8	
23802	274.35	6674.00	1714.8	165.4	254.7	.8	374.3	2617.4	1517.6	15.4	28.1	17.9	.0	2.0	.3	.4	1.7	8.7	.1	12.7	.2	199.5	
23803	268.63	6685.93	2124.7	294.5	75.0	.0	220.8	1395.3	1335.4	15.0	16.5	170.3	.0	6.0	.0	.9	2.1	9.0	.3	8.3	.2	80.5	
23804	275.25	6680.08	1838.7	257.6	101.2	.5	276.8	1559.1	1316.3	35.3	17.0	33.9	.2	4.9	.1	.8	1.4	16.5	.3	10.1	.6	156.8	
23805	281.82	6691.89	1921.9	220.1	143.5	.3	144.3	4596.5	1492.4	31.9	5.7	22.2	1.8	.0	.2	1.3	2.8	9.2	.3	22.0	.0	86.3	
23806	278.21	6676.05	1172.6	23.4	134.4	.5	521.3	4319.2	1523.6	7.6	43.3	18.0	.6	.9	.0	1.1	2.8	15.6	.1	20.3	.2	155.5	
30101	264.93	6656.93	1434.8	73.3	27.4	.4	493.8	2851.2	1575.5	11.1	3.2	15.8	2.3	1.3	.0	1.3	.9	5	14.8	.4	20.3	.5	236.2
30102	271.26	6646.13	1292.6	58.1	54.0	.4	649.1	3311.2	1812.7	10.9	46.5	19.6	4.0	4.3	.0	.4	3.3	1.0	15.6	.0	14.7	.1	258.6
30103	253.58	6668.34	1340.0	101.9	96.7	.4	403.9	3086.2	1233.8	32.7	4.9	8.0	1.7	1.2	.0	.0	1.4	13.4	.0	24.9	.2	70.3	
30104	268.26	6644.38	826.3	22.8	33.3	.0	818.7	4445.7	1987.3	14.4	.0	3.6	3.1	.0	.0	.0	1.4	13.4	.0	18.6	.0	0	
30105	268.60	6654.71	1483.6	32.3	20.8	.1	885.1	5856.6	2116.2	10.5	.3	8.0	1.6	1.5	.0	.3	2.7	6.9	.1	28.8	.6	93.3	
40101	284.52	6745.75	504.4	13.6	11.9	.0	674.8	4861.7	1105.6	1.7	79.8	8.7	.0	3.9	.0	.3	.9	15.0	.0	31.3	.0	398.6	

Nr.	Koordinater	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
40201	337.50	6673.39	4895.9	21.3	16.0	.5	1738.5	6950.7	7437.3	3.4	136.0	28.0	2.4	.4	.7	2.4	.9	33.9	.2	28.8	.4	1421.5
41201	280.41	6758.61	5716.4	22.8	9.6	.3	9307.1	42031.4	5346.5	1.6	3.7	16.6	3.4	.5	1.2	2.5	2.7	207.3	.0	547.1	2.8	168.0
41202	268.74	6764.11	1609.3	83.0	5.5	.0	1445.1	9866.5	1019.7	10.6	34.3	11.1	4.3	.9	.3	1.8	1.5	19.6	.1	84.5	.9	1185.6
41203	277.63	6743.14	646.0	16.1	12.4	.0	666.5	5170.4	2967.5	1.0	6.6	11.1	3.2	.0	.6	1.8	1.8	17.1	.0	32.6	.3	365.7
41401	292.52	6752.13	1518.6	59.2	379.0	.3	533.6	6510.8	1527.9	10.3	83.8	45.2	2.7	.0	.3	1.0	.5	25.2	.3	25.6	1.0	236.8
41501	300.61	6752.00	1579.0	95.5	389.0	.3	555.3	3513.0	1682.4	34.6	29.8	39.9	3.0	.0	.7	1.7	.8	239.1	.5	21.1	.2	193.4
41701	288.24	6730.79	559.8	13.1	10.2	.0	626.2	4688.3	1066.5	1.3	53.4	6.4	2.8	.4	.0	.8	1.3	23.5	.2	31.5	.4	275.3
41801	311.30	6712.80	1096.9	89.2	115.6	.0	973.8	4210.7	1423.5	5.7	56.3	22.0	3.3	.3	.1	.3	3.0	20.1	.0	28.1	.4	106.7
41901	325.89	6685.55	2350.7	148.3	20.6	.3	710.2	1806.7	2423.7	54.8	.2	10.4	1.7	.3	1.4	.8	1.5	21.8	.2	28.2	.4	234.9
42001	340.91	6648.87	4654.1	278.2	9.6	.2	1935.0	4954.8	3073.9	39.7	.2	17.6	3.8	2.8	1.8	1.2	2.0	44.0	.3	40.4	.2	514.5
42002	341.08	6658.34	4220.1	62.3	47.9	.3	1480.1	4107.5	3342.9	5.7	.2	3.4	4.9	.0	.2	1.8	1.4	39.6	.2	32.5	.1	690.7
42301	342.34	6703.35	1603.2	3041.1	64.7	.3	729.1	11599.2	1724.1	26.3	12.6	10.3	4.4	.5	.9	1.7	1.8	36.4	.1	26.2	.3	275.0
42501	336.50	6719.00	1689.7	72.5	150.4	.8	765.9	5269.3	4188.9	10.6	10.6	7.6	4.8	1.0	.7	.0	1.2	40.0	.0	23.1	.6	751.7
42601	324.20	6734.20	4483.5	12.8	5.3	.0	2781.0	10164.1	4575.5	12.5	40.3	24.1	4.8	.7	.4	.7	1.9	400.6	.2	81.5	.6	406.3
42602	330.00	6725.40	1651.7	156.5	42.9	.5	790.0	5433.1	5812.0	6.4	2.7	16.1	3.6	.0	.4	.5	1.6	42.3	.0	45.6	.5	362.7
42701	316.55	6755.25	4308.1	12.8	8.4	.0	2487.4	8524.4	15266.6	88.2	6.5	76.4	1.7	1.0	.4	.5	3.6	156.2	.0	24.3	.5	1845.3
42702	309.79	6757.13	4073.1	18.1	65.9	.1	1395.8	7400.1	15500.1	166.9	2.8	17.6	.9	.0	.7	1.3	2.6	183.9	.2	44.9	.4	696.0
42801	354.83	6804.42	2629.8	36.4	209.7	.4	346.1	4263.5	1364.8	40.4	22.5	11.5	.9	.0	.3	.4	.7	13.7	.5	22.3	.0	82.1
42901	303.46	6783.85	2898.8	3.0	166.4	.0	1861.0	21332.8	4140.5	220.8	24.8	11.0	1.8	.2	.1	.5	1.3	77.1	.0	123.4	.3	413.2
43001	290.33	6833.53	2491.0	2.0	5.6	.0	838.6	5810.5	1218.7	3.1	55.4	11.1	.0	.8	.6	.4	1.9	27.7	.2	21.7	.7	447.6
43601	291.44	6929.23	2141.6	31.4	48.8	1.0	828.1	17309.3	1326.4	6.7	24.1	137.8	1.6	.3	.5	.8	3.5	13.0	.1	46.5	.1	634.4
43701	279.85	6906.43	1887.2	9.8	37.5	.1	978.7	19342.4	1092.4	9.3	6.3	99.3	4.6	.8	.0	.8	2.6	17.9	.1	100.6	.4	175.3
50101	255.27	6786.03	3265.9	24.3	1.7	.2	3264.1	20185.4	5151.6	2.4	9.9	8.4	9.9	.1	1.1	1.8	1.2	31.5	.2	188.7	.4	703.9
50102	253.22	6792.50	1123.6	60.5	77.2	2.9	420.2	3049.5	1119.7	4.6	6.9	8.4	5.6	.5	.0	1.4	1.7	15.6	.0	21.4	.3	246.6
50201	265.53	6750.21	734.9	12.9	17.0	.1	662.0	4989.5	1106.8	2.1	12.8	6.2	.0	.0	1.0	1.4	3.7	8.3	.1	32.8	.6	884.9
50202	260.02	6767.05	3713.8	11.3	450.6	.3	2873.4	25534.9	2958.1	219.1	18.0	21.5	.0	.0	.3	.6	1.6	52.5	.1	187.3	.6	593.4
51101	196.97	6903.30	2795.6	11.3	92.6	.0	792.2	6067.0	4270.9	1.8	3.3	20.5	3.8	.3	.4	1.4	3.7	10.1	.2	18.4	.2	578.0
51701	213.75	6864.28	1240.5	15.6	6.1	.3	2622.8	20512.5	4230.4	3.3	34.8	13.1	.3	.0	.4	1.6	2.2	42.5	.0	209.4	.2	593.4
52001	242.60	6831.44	3810.1	4.7	2.7	.0	550.9	2241.8	2252.0	.1	5.5	6.8	.0	.2	.5	.2	2.2	31.1	.0	14.4	.2	123.9
52801	267.95	6722.53	721.9	35.1	88.1	.0	2888.5	10842.5	7402.3	7.1	4.9	2.4	6.1	.4	.4	1.2	1.2	91.2	.2	75.2	.6	622.5
52802	271.25	6729.34	1150.5	50.2	227.8	.0	604.4	5886.8	1871.9	65.9	11.1	1.7	4.4	.2	.3	2.0	.8	31.4	.1	29.6	.2	135.6
52803	268.01	6735.65	932.7	27.6	72.2	.6	5127.1	44515.0	4112.1	48.3	3.7	217.3	7.0	.4	.7	1.9	1.8	46.5	.2	127.0	1.0	2473.3
52804	267.95	6722.53	721.9	35.1	88.1	.0	334.1	2353.2	1218.4	22.8	.3	7.9	4.8	.0	.0	1.4	1.5	26.8	.0	15.1	.1	13.8
52901	255.35	6731.04	847.5	59.6	52.2	.3	487.7	3122.7	1134.9	6.5	1.9	2.9	1.8	.0	.3	.9	2.1	18.6	.1	15.6	.3	455.3
52902	257.85	6730.12	939.8	75.8	104.3	.2	501.9	3087.7	1047.2	15.4	3.2	10.2	.0	1.8	.0	.6	3.1	19.5	.0	15.5	.0	404.6
53201	245.06	6688.95	1298.4	19.0	29.8	.4	691.0	6193.8	1119.2	1.0	31.5	219.0	2.6	.5	1.3	.6	2.5	25.7	.3	40.0	.4	285.5
53301	263.59	6680.60	2351.2	124.2	73.3	.0	374.0	2236.9	1508.0	2.7	87.0	213.0	.0	.0	.5	.6	3.9	12.9	.3	13.0	.3	194.5
53302	263.23	6696.83	697.7	28.4	30.4	.0	328.9	2328.0	3512.0	14.6	30.0	17.9	3.8	1.2	.0	1.4	2.2	10.9	.0	11.1	.3	253.7
53401	248.94	6707.78	1531.9	36.5	27.1	.0	606.3	7466.5	1777.8	2.3	7.4	4.9	2.4	.0	.0	1.1	1.2	25.1	.0	45.3	.3	251.4
53801	230.54	6756.98	2053.6	8.0	12.3	.0	573.8	5959.3	1374.7	1.7	2.9	25.7	.0	.5	.2	1.0	1.8	37.6	.2	44.4	.4	281.1
54201	188.41	6774.32	708.1	3.6	10.3	.0	640.0	2409.1	752.6	3.5	104.9	10.9	.6	.4	.0	3.3	3.6	9.7	.2	29.0	.2	43.7
60201	223.97	6646.12	2362.1	60.9	21.8	.0	511.5	4714.4	1892.0	69.6	4.6	56.0	.0	1.4	.4	.5	2.7	7.8	.4	25.3	.4	70.8
60202	235.93	6623.25	1202.1	232.4	20.9	.0	402.7	2658.2	1785.8	15.3	18.9	150.9	3.7	.6	.2	.5	3.1	4.8	.3	15.5	.3	253.1
60203	227.36	6627.63	2640.4	42.7	47.2	.5	339.1	3519.5	1088.2	79.4	19.2	55.6	4.4	1.1	.7	.3	1.1	11.7	.3	52.7	.3	52.1
60401	198.17	6626.05	1221.7	193.8	151.8	.5	371.2	19775.2	738.0	26.4	18.4	186.6	5.6	.5	.4	.9	1.9	38.4	.0	11.5	.3	107.9
60402	217.30	6604.23	4002.1	198.0	108.8	.5	2055.8	8826.3	3755.8	30.0	21.2	63.0	3.3	.2	.5	.8	1.9	103.2	.4	67.4	.0	1622.0
60501	236.20	6683.12	936.0	61.4	76.1	1.2	495.9	2415.4	2176.6	4.7	22.8	1.0	.0	.6	.6	1.0	2.8	11.8	.1	22.1	.5	160.7
60502	223.29	6673.74	1470.3	57.2	25.6	.1	729.4	4399.7	1161.1	2.2	6.6	89.6	3.4	.5	.8	.6	2.2	11.7	.0	13.2	.4	120.9
61201	236.59	6687.82	961.8	24.8	26.8	.5	959.4	6372.0	3629.2	2.2	4.7	39.5	4.1	.0	.0	.2	2.5	15.3	.1	76.1	.3	174.6
61202	230.18	6671.60	981.9	29.7	36.3	.3	526.1	5016.4	1600.6	10.8	17.5	339.2	1.2	.3	.2	1.3	2.0	12.3	.0	33.5	.1	165.7
61601	176.76	6729.82	3934.9	14.8	4.5	.0	666.8	7212.9	8430.7	7.4	15.6	13.9	5.0	.6	.2	1.8	2.6	7.5	.1	26.0	.5	405.9
61701	168.23	6745.97	2047.5	18.1	11.6	.2	693.4	4136.5	9577.4	1.4	3.4	1.7	.0	.6	.1	.3	2.7	7.9	.1	22.5	.5	967.5
61901	147.05	6739.17	799.0	18.5	116.4	.4	271.6	3775.4	1981.9	39.8	59.7	4.0	.8	.0	.3	.4	3.0	10.7	.1	18.3	.2	136.5

Nr.	Koordinater	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
62001	126.01 6735.55	1183.2	26.2	196.1	.2	279.8	2755.1	608.3	42.9	230.5	25.7	3.4	.4	.4	1.1	1.6	2.0	7.4	.0	16.7	.0	60.4
62002	136.06 6737.27	1186.2	26.1	53.9	.0	359.6	4495.0	691.8	12.8	3.8	5.5	.0	2.3	.1	.4	.4	1.5	5.4	.1	31.8	.0	74.7
62301	219.50 6657.53	1987.6	91.7	46.1	.0	692.1	10812.8	1676.3	19.6	11.8	15.8	10.4	2.1	.2	.0	2.4	2.8	12.3	.1	36.9	.3	103.3
62302	216.39 6650.16	2862.5	286.9	275.1	6.4	721.2	13854.0	1256.9	26.3	9.3	18.4	2.7	1.4	.4	2.0	.6	1.2	23.5	.0	37.7	.3	172.9
62401	214.55 6637.03	1638.1	50.0	39.4	.4	763.9	11002.4	4302.6	21.8	5.2	4.9	1.4	.7	.2	.2	1.9	1.5	12.3	.0	30.1	.2	120.9
62501	221.06 6634.11	2211.3	62.9	248.1	.7	884.3	10495.1	2098.0	10.6	8.2	1024.3	.0	4.3	.0	.1	1.7	1.0	5.6	.4	30.7	.9	180.6
62601	237.89 6649.93	1027.4	21.3	17.4	.4	635.4	4363.2	6064.0	1.9	5.6	1.8	1.7	1.6	.3	.1	1.7	1.4	12.3	.2	32.1	.3	171.9
62701	239.80 6633.58	1125.2	189.1	57.2	.0	435.3	3374.3	2024.1	70.2	8.2	53.7	4.5	12.8	.9	.3	2.6	1.7	11.9	.3	16.1	.5	196.6
62801	251.91 6612.01	1578.1	469.1	163.6	.1	465.1	2174.3	2675.1	104.2	29.5	67.4	4.3	1.7	.0	1.0	1.0	1.0	22.2	.2	15.6	.4	277.3
62802	241.58 6609.98	8057.0	57.4	476.0	.0	1079.1	9280.9	4348.6	90.4	214.3	732.6	171.5	.9	.0	2.0	2.0	2.4	27.7	.1	35.9	.0	454.2
62803	248.69 6624.65	1946.1	279.3	89.3	.0	500.9	3131.2	2248.5	123.2	47.0	47.5	1.2	1.6	.8	.9	4.1	1.5	31.8	.2	260.5	11.4	2662.5
62804	248.76 6668.29	2466.2	963.1	278.2	2.8	828.7	2746.0	5179.4	398.9	60.4	123.9	3.6	2.4	.4	.9	.9	3.1	10.9	.1	16.5	.4	299.4
62805	245.33 6620.44	1068.0	287.5	5.6	.0	455.3	2493.1	2335.9	16.5	103.0	77.0	.0	1.9	.2	.2	.6	1.7	11.4	.7	21.0	1.2	667.7
70201	225.67 6601.53	1957.1	46.4	61.9	.2	1076.8	8715.1	3341.4	45.2	1.5	7.6	.0	.3	.3	.6	1.3	2.0	18.3	.0	81.6	.4	215.3
70501	212.96 6563.98	1762.4	94.8	31.7	.0	779.6	4294.7	2810.1	7.1	.3	18.3	.0	2.8	.0	.1	.7	1.3	15.9	.2	22.4	.6	442.8
70701	214.00 6557.97	1731.5	91.3	34.0	.4	707.7	2690.2	5237.6	8.9	8	16.4	1.7	2.1	.1	.4	2.3	3.6	13.9	.2	21.6	.1	333.1
70801	208.12 6553.51	1797.1	154.6	66.0	.5	964.1	2794.3	5881.5	37.3	7.5	17.5	.4	2.1	.2	.3	.8	3.1	19.6	.2	27.7	.2	340.4
71101	239.21 6619.31	2059.1	146.8	47.1	.0	463.3	3283.7	2412.6	11.0	22.8	283.2	3.6	1.7	.2	.0	.8	1.2	5.8	.1	16.4	.3	128.3
71301	232.47 6618.12	2198.7	141.8	124.8	.0	625.2	4680.5	2139.6	19.3	8.7	259.1	.8	7.5	.3	.8	1.9	.6	67.8	.3	31.5	.5	297.4
72601	208.11 6557.96	1863.0	149.6	173.8	.5	979.1	2827.3	5895.6	38.5	12.3	404.2	.0	1.3	.3	.7	.4	2.1	26.9	.0	28.3	.2	381.3
72701	211.06 6574.09	1965.7	196.0	217.7	.3	697.1	2446.6	2962.4	148.7	88.6	71.0	2.1	4.1	.7	.8	2.2	1.1	16.9	.5	17.6	.7	263.8
80501	195.85 6571.14	2182.1	182.8	173.2	1.2	949.0	7739.3	2442.8	40.8	.2	75.6	1.7	.3	.0	.0	1.0	2.1	11.9	.2	35.0	.1	154.5
80601	181.62 6578.81	1024.7	120.7	91.0	3.7	306.7	2222.4	2086.8	10.3	3.3	8.3	.4	2.9	.3	.3	.2	1.4	9.4	.7	40.2	.5	100.2
80602	195.13 6576.26	2203.2	125.6	290.1	.4	919.5	4934.2	5546.6	86.7	6.5	17.0	.0	4.4	.2	.2	1.1	1.7	14.0	.0	12.0	.1	100.2
80603	186.60 6582.00	2167.5	122.2	124.7	.0	634.0	6001.3	2696.7	13.4	89.4	20.1	1.5	2.2	.3	.3	1.4	3.0	6.5	.6	20.3	.5	171.1
80604	190.49 6588.95	1223.0	181.5	86.1	.4	344.9	1782.5	13253.1	3.0	2.2	65.2	.0	2.6	.5	.4	.5	2.3	8.2	.0	11.2	.2	236.5
80605	186.52 6575.28	953.5	46.8	54.0	.5	259.2	2029.4	1125.7	6.5	25.3	31.2	.0	5.9	.0	.3	.8	.9	10.7	.1	10.6	.3	195.4
80701	177.23 6519.55	777.7	57.5	28.0	.0	165.6	1603.4	675.5	10.4	53.2	8.4	1.1	1.5	.0	.3	1.6	4.6	12.0	.2	7.9	.6	105.9
81401	183.71 6559.71	1288.6	54.0	14.7	.0	599.5	3610.1	5431.9	4.5	32.6	10.7	.0	3.6	.0	.6	1.0	1.6	10.2	.2	12.6	.6	257.4
81501	171.22 6544.37	1578.5	258.1	126.2	.4	603.6	4182.5	2186.4	43.4	22.5	23.6	.0	3.5	.6	.7	.0	2.2	8.1	.0	11.5	.5	63.5
81901	159.09 6568.08	1179.6	223.9	156.6	.1	280.1	1343.0	1241.3	29.7	135.4	26.1	3.3	3.0	.0	.3	.3	2.6	6.3	.1	6.5	.2	118.1
81902	162.75 6584.28	1234.8	96.5	94.5	.5	268.8	2152.7	1145.4	5.7	61.8	222.3	2.4	3.5	.6	.4	.4	1.0	9.4	.1	10.5	.2	128.4
82101	162.48 6603.36	3470.4	32.8	3.3	.1	560.7	343650.7	16.4	16.4	3.0	1.0	.0	3.3	.0	.0	1.0	3.0	17.2	.2	18.8	.0	115.4
82601	124.82 6649.68	550.1	19.2	20.5	.1	77.9	1329.1	793.5	4.2	48.8	4.3	.5	2.2	.3	.0	.4	2.5	8.9	.1	7.3	.1	35.9
82801	139.51 6611.71	1710.3	88.7	212.1	.5	600.1	5259.3	1326.8	25.1	15.2	8.6	3.4	.5	.0	.0	1.2	3.7	12.9	.0	16.6	.0	567.0
82901	132.13 6602.90	893.5	131.8	344.1	.2	280.9	1220.7	780.5	44.8	149.9	15.9	1.7	.4	.0	.0	.9	3.3	5.6	.2	5.3	.1	.0
90101	162.81 6522.19	829.5	101.2	898.9	.3	1016.0	2783.8	7022.7	19.3	2.3	53.5	1.5	2.5	.8	.6	1.3	1.1	7.4	.4	14.0	.4	390.5
90102	156.97 6529.51	1081.5	200.1	256.4	.0	628.4	2066.3	3110.4	26.2	1.3	34.4	1.4	2.1	.3	.2	1.9	1.8	10.9	.2	9.2	.0	166.5
90301	125.83 6492.72	1018.1	344.4	43.0	.2	497.0	1281.1	5852.1	40.1	3.3	28.4	4.5	2.9	.0	.2	1.9	2.1	12.2	.5	9.7	.4	231.8
90401	122.88 6486.77	986.5	343.7	53.8	.4	509.9	1241.0	4328.0	53.5	1.5	31.0	1.5	4.5	.9	.8	.0	1.0	10.0	.0	9.2	.7	168.0
91401	146.41 6512.31	913.7	218.9	130.6	.3	898.0	1784.3	4075.7	41.5	93.5	29.1	2.3	38.2	.3	.1	.0	1.9	11.9	.0	10.2	.1	318.5
91901	128.85 6500.29	1054.0	193.2	162.7	.0	221.9	1124.0	1951.5	24.9	70.1	29.1	1.9	.8	.0	.0	.0	1.5	7.0	.0	6.9	.0	.0
92601	112.91 6479.33	1016.6	368.2	53.5	.3	598.6	1352.7	6932.6	53.9	4.1	22.4	2.7	3.5	.2	.7	.4	1.4	13.1	.0	10.7	1.0	249.4
92801	104.09 6486.26	3496.1	51.6	3.7	.0	702.1	3176.5	12633.9	1.7	1.3	4.0	1.1	1.9	.4	.0	2.7	2.5	8.8	.4	18.1	.0	240.7
93701	81.47 6515.08	3008.4	246.2	9.9	.3	447.8	2595.8	8226.9	25.9	.6	2.5	.0	2.8	.0	.4	.6	2.4	16.8	.4	16.4	.4	139.6
100101	74.19 6469.40	1170.1	305.6	46.4	.0	643.2	3883.6	8171.8	38.1	.3	26.0	1.0	5.6	.0	.9	1.8	3.4	18.9	.3	52.4	.7	257.5
100102	81.90 6462.90	850.3	240.5	42.6	.0	869.5	1977.4	9479.0	111.9	9.0	35.1	1.0	3.9	.0	.6	.4	3.2	25.6	.1	13.4	.4	164.4
100201	55.07 6461.48	586.9	262.4	64.2	.3	751.5	1670.6	8067.1	112.0	.2	25.3	1.0	.7	.0	.3	.8	2.9	21.2	.0	17.1	.3	164.4
100301	18.54 6468.03	810.9	261.2	196.1	.6	819.9	1987.8	8254.3	21.6	337.4	423.7	16.1	2.5	1.2	.2	.9	1.2	12.2	.2	10.2	.5	106.4
100302	6.79 6470.99	500.7	263.0	191.7	.0	1203.3	1290.8	11429.6	103.8	44.6	44.6	.5	.5	.8	.6	1.0	4.1	12.0	.4	13.1	.4	84.2
100401	13.26 6489.96	750.1	436.2	553.3	.5	724.0	993.6	7843.5	103.8	11.3	38.9	6.5	.8	.0	.9	.9	4.6	14.4	.0	8.2	.3	51.6
100402	12.48 6497.32	652.3	378.5	43.1	.3	581.8	570.8	5563.4	13.2	29.0	25.7	2.8	.2	.3	.3	1.4	1.2	5.4	.2	5.5	.1	74.1

Nr.	Koordinater	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
100403	13.65 6493.73	489.6	384.6	816.8	.4	656.1	751.7	8675.0	58.6	21.9	71.0	7.9	2.7	.2	.5	.7	1.3	9.6	.1	6.7	.0	65.0
101401	88.16 6481.16	2472.5	106.5	73.2	1.0	1289.6	2524.4	19195.3	75.0	1.8	7.6	3.6	4.1	.0	1.1	1.3	1.6	39.4	.2	423.4	.6	446.1
101402	86.49 6476.54	660.9	296.8	392.7	.3	411.7	1063.0	3806.6	39.1	39.4	147.5	4.0	1.5	1.2	.2	1.0	2.4	11.3	.2	8.4	.0	127.6
102101	60.87 6476.45	934.0	408.4	272.0	.4	621.8	1165.0	4574.3	52.2	8.0	34.7	.0	1.9	.0	.0	.7	1.8	7.6	.0	8.9	.4	109.6
102901	45.65 6464.67	561.1	326.5	761.9	.6	872.9	1213.3	8389.0	58.1	2.8	35.3	.0	1.6	.9	.4	1.2	2.8	10.9	.4	11.1	.3	283.5
103201	33.25 6468.54	557.9	134.9	58.1	.0	692.8	1550.5	6102.9	65.1	792.8	383.4	.0	.4	.0	.4	.4	1.2	4.0	.0	11.9	.8	119.0
103701	30.33 6491.91	1657.2	262.4	1.7	.1	618.0	2220.3	12598.4	22.0	2.2	11.4	1.5	7.5	.0	.8	1.7	2.5	8.7	.0	8.7	.0	51.3
110101	-21.59 6516.20	283.1	698.7	111.9	.5	847.4	984.2	9657.7	27.8	4.9	16.2	.0	.1	.6	.0	.0	2.4	1.7	.2	12.9	.0	115.9
110201	-33.71 6560.68	540.8	85.6	32.0	.3	830.1	2078.2	7708.3	4.3	2.3	29.2	4.1	3.3	.0	.2	1.2	2.0	10.2	.2	16.0	.3	402.3
110301	-23.61 6549.18	570.8	78.2	17.3	.4	668.2	985.0	6210.1	20.8	.0	14.5	1.6	1.0	.1	.0	.4	.9	4.2	.1	8.7	.0	97.2
110601	-43.40 6629.51	513.8	151.8	56.5	.4	948.7	3194.4	7127.0	31.0	4.1	18.5	.6	2.3	.2	.0	.8	2.2	3.9	.2	13.2	.3	362.7
111101	-8.61 6506.34	499.0	154.6	55.6	.0	669.9	1005.2	8697.7	29.0	.6	19.6	.0	.5	.0	.6	.5	2.3	6.3	.1	10.4	.1	178.0
113001	-12.71 6576.79	567.2	116.2	39.8	.0	419.6	613.9	3895.0	9.9	291.2	53.0	.8	16.8	.0	.0	1.7	2.3	3.7	.0	17.5	.2	758.0
113002	-19.62 6581.98	150.5	27.2	33.1	.3	845.6	2462.2	5711.7	40.7	42.7	41.1	1.3	1.4	.3	.0	.0	1.5	6.3	.1	4.6	.0	19.5
113501	22.96 6644.27	250.2	76.5	42.9	.1	140.6	436.6	1197.1	24.7	23.7	50.6	1.3	.4	.0	.6	.0	1.1	3.0	.1	2.7	.0	37.5
114101	-21.63 6593.86	457.4	52.0	45.7	.3	1791.6	1822.6	14181.6	95.8	24.3	21.5	.0	1.8	.6	.0	1.6	.8	59.7	.0	11.0	.4	1658.6
114901	-56.95 6609.03	266.3	47.5	78.5	.4	1494.5	1775.0	11851.5	30.1	74.7	61.4	2.7	1.1	1.2	.3	1.6	.8	5.8	.1	24.8	.4	218.0
114902	-50.15 6611.21	313.1	46.6	102.4	.2	1570.6	2107.4	12463.0	6.5	9.4	18.2	1.5	.0	.0	.2	.4	2.3	5.8	.1	11.9	.4	107.4
114903	-55.58 6597.31	468.2	94.4	28.0	.3	1791.6	1822.6	14181.6	95.8	24.3	21.5	.0	1.8	.6	.0	.0	1.5	3.7	.0	12.6	.2	102.3
114904	-51.50 6621.28	468.8	67.1	96.2	.4	1494.5	1775.0	11851.5	30.1	74.7	61.4	2.7	1.1	1.2	.3	1.6	.8	5.8	.1	11.0	.4	133.9
120101	-29.50 6732.33	533.4	162.9	62.7	.2	505.5	551.5	4098.5	13.4	9.1	229.5	2.3	4.5	.1	1.3	.8	1.3	11.4	.1	5.0	.3	155.4
120102	-26.26 6736.85	412.2	122.5	62.6	.2	473.7	488.7	3722.3	18.8	12.1	16.6	1.3	.4	.0	.2	2.3	2.9	9.4	.0	4.7	.1	50.5
120103	-30.81 6735.86	505.2	180.4	101.1	.2	453.0	678.8	4308.3	14.7	103.1	33.1	2.3	.3	.3	.0	1.6	1.4	6.9	.2	5.3	.0	53.6
120104	-30.26 6739.21	342.3	179.7	110.3	.2	460.8	452.8	7143.9	9.8	1.4	19.0	5.4	2.0	.4	.3	1.0	2.0	5.7	.4	4.5	.0	56.9
120105	-36.68 6728.81	840.9	136.7	36.4	.4	742.6	2326.5	7158.2	3.3	7.6	11.9	.0	5.7	.0	.6	.7	1.1	5.5	.1	10.6	.0	312.7
120106	-34.29 6731.93	471.4	133.1	97.4	.6	516.1	648.2	4723.0	11.6	900.0	61.9	5.1	.8	1.2	1.3	.3	1.5	10.0	.0	5.6	.4	87.3
120108	-40.00 6732.78	166.0	51.5	31.4	.5	706.7	1323.5	5914.5	11.6	123.0	30.3	1.7	1.0	.0	.1	.1	1.2	7.6	.1	9.7	.6	241.4
120109	-31.26 6727.13	393.5	133.2	86.0	.3	451.8	425.7	3852.9	6.0	7.4	33.9	.0	2.3	.5	.0	.0	2.6	5.9	.2	9.6	.3	326.9
120110	-30.49 6717.82	561.2	117.5	49.3	.0	583.0	1507.2	4382.6	19.1	.2	13.4	.0	2.2	.1	.7	.8	1.3	5.9	.0	8.3	.2	142.5
120111	-21.43 6733.98	351.5	84.4	35.7	.2	348.1	589.1	3025.0	4.8	198.7	17.4	.0	1.6	.0	.5	.4	3.7	5.3	.1	5.5	.2	37.7
120112	-25.24 6741.70	450.6	146.9	35.6	.3	455.2	853.6	4575.9	.8	107.2	191.2	2.3	4.4	.9	1.2	1.0	1.8	16.5	.1	7.9	.3	87.3
120113	-32.01 6747.23	554.7	161.3	51.3	.2	692.0	623.7	5069.2	12.3	111.8	20.4	4.4	5.7	.0	.0	2.0	1.8	16.5	.3	7.8	.3	242.6
120114	-29.74 6743.89	725.7	108.5	68.8	.3	689.4	3325.0	5153.3	12.5	.7	23.3	1.1	.6	.0	1.0	.8	.3	12.8	.4	12.7	.6	486.7
121901	-50.36 6668.37	628.2	63.2	19.4	.1	1305.4	1627.8	11929.5	16.6	284.5	35.7	3.8	2.8	.0	.0	.4	1.7	9.2	.2	16.8	.4	103.4
122101	-32.60 6665.34	365.4	86.5	47.8	.8	394.1	789.5	4091.9	14.8	38.5	20.4	4.4	4.4	.0	.7	.5	2.6	3.8	.2	4.0	.4	128.4
122401	-13.98 6671.01	365.4	114.2	22.7	.0	281.6	714.7	2805.1	4.8	157.0	45.9	2.7	5.5	.0	.8	.1	2.1	4.4	.2	5.1	.3	58.7
122801	30.59 6686.61	414.7	77.1	68.4	1.8	179.2	837.5	1178.1	6.0	.4	9.7	.2	3.0	.6	.5	.7	2.0	3.2	.4	3.1	.3	88.2
122802	36.95 6694.75	535.8	28.2	4.3	.0	269.8	1721.4	1799.6	.5	4.4	4.1	.0	3.1	.7	.2	1.5	1.0	2.3	.2	5.3	.0	125.5
122803	27.92 6691.68	427.3	49.3	87.0	3.4	165.1	858.3	1735.2	3.5	4.4	5.9	.1	3.2	.4	.3	1.0	2.1	3.1	.2	2.5	.4	198.7
123501	31.91 6752.51	3942.8	2.6	32.9	.3	709.4	5886.0	3398.2	16.5	103.1	10.5	.4	3.3	1.1	1.4	1.2	2.2	7.5	.1	34.0	.3	617.4
123801	9.40 6730.95	152.6	43.5	64.5	.3	234.6	741.1	1630.1	12.8	2.7	4.9	.0	2.0	.2	1.2	1.3	1.3	8.7	.2	2.8	.0	37.4
124701	-27.59 6713.99	619.2	187.5	44.2	.1	508.7	1940.0	4449.2	14.7	3.2	15.8	1.8	7.5	.0	.7	.5	1.7	7	.0	6.3	.3	40.7
125101	-34.67 6751.63	363.8	57.3	46.7	.3	198.6	587.8	1581.7	4.2	129.3	31.7	3.6	.4	.0	.4	.5	2.1	5.5	.0	9.8	.3	143.2
125102	-6.88 6740.42	327.2	54.3	160.7	.6	290.3	681.3	2245.8	3.8	53.4	45.0	2.5	.8	.0	.3	1.1	3.0	6.0	.0	5.2	.2	30.2
125103	-6.55 6747.74	419.0	74.8	31.4	.2	257.1	494.1	2238.5	4.6	106.1	16.0	3.5	2.4	.3	1.0	1.2	1.3	2.6	.0	3.5	.0	32.3
140101	-21.19 6753.66	549.2	53.5	32.9	1.2	858.5	1525.4	6106.4	8.7	12.1	16.0	3.0	2.4	.3	1.0	1.2	1.0	5.2	.2	5.6	.7	83.6
141601	-34.35 6876.55	264.6	52.7	295.1	.0	482.4	633.2	4421.6	8.3	28.9	64.6	7.0	3.7	.0	1.4	2.6	2.3	2.7	.0	4.2	.6	901.5
141602	12.07 6816.68	499.4	134.0	409.0	.3	161.2	483.6	1426.5	11.3	5.1	418.6	2.5	1.8	.8	.6	1.2	3.3	6.8	.1	7.4	.4	76.4
142001	75.27 6814.38	772.1	93.8	129.4	4.1	230.2	391.7	2831.4	7.3	62.6	31.1	2.6	1.0	.1	.1	1.5	1.6	4.8	.1	4.2	.2	286.6
142201	96.01 6797.77	1202.3	29.6	18.8	.5	372.8	3464.9	1142.7	.7	7.3	81.4	.0	4.4	.2	1.5	.6	2.7	22.9	.0	52.8	.2	234.1

Nr.	Koordinater	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
142401	125.38 6813.59	459.7	20.1	9.5	.6	102.6	599.6	482.8	4.0	15.1	5.6	.0	1.7	.3	.3	1.2	2.0	7.4	.0	7.2	.3	40.6
142402	111.04 6812.28	3689.1	9.0	5.4	.0	1779.5	4267.4	6508.5	.8	2.3	2.7	2.8	1.0	.1	.4	1.4	3.5	11.2	.0	42.3	.2	1034.4
142801	-29.42 6843.85	775.6	61.1	27.5	.2	697.1	798.7	5330.9	3.8	2.8	94.2	.0	.9	.2	.2	2.1	1.0	7.3	.2	6.0	.2	107.6
142901	-22.46 6843.61	536.3	64.5	71.0	4.1	425.7	479.8	3441.7	5.3	29.0	10.0	1.8	4.0	.6	1.1	.9	1.5	3.7	.3	3.8	.2	147.5
143201	12.53 6845.11	395.0	65.6	167.0	.3	222.0	434.3	1830.8	7.1	.0	2.3	1.8	1.1	.0	.4	.4	2.2	6.4	.2	3.6	.2	35.0
143801	-9.27 6887.63	398.9	58.1	35.9	.3	504.2	2130.6	4358.6	1.9	13.7	13.6	4.7	2.6	.0	2.5	.8	3.0	3.6	.2	8.6	.1	49.5
143901	-14.07 6905.16	579.3	90.8	56.8	.4	1133.9	868.2	8403.8	5.5	52.4	7.0	4.0	3.2	.5	1.1	1.3	2.3	6.8	.4	10.5	.0	233.8
143902	-18.07 6905.11	823.3	146.9	69.1	.1	1016.9	1572.2	7580.3	6.7	26.6	15.5	2.2	7.2	.3	.5	2.0	1.0	6.4	.0	10.9	.5	129.6
143903	-16.13 6911.95	409.1	65.0	29.0	.2	850.8	629.9	6840.0	4.5	77.3	11.3	.0	.6	.0	.2	.2	3.5	4.0	.1	7.6	.2	88.0
143904	-2.47 6903.88	512.6	88.8	76.3	.0	404.6	1289.1	4746.7	4.1	12.8	12.3	1.0	1.0	.7	.5	.9	2.1	3.7	.0	8.4	.1	38.5
144301	27.95 6897.51	595.8	226.9	187.4	8.9	325.5	608.7	2488.6	.6	36.0	5.4	.6	2.5	.4	.6	.0	1.9	3.0	.2	7.6	.2	102.9
144302	16.02 6899.58	499.2	30.1	16.7	.2	284.8	514.9	2467.4	1.5	11.7	6.6	.0	2.0	.7	.5	.3	3.1	3.3	.5	4.4	.2	51.6
145001	57.47 6956.27	548.3	33.9	5.4	.3	706.9	1013.2	1976.6	2.5	76.8	12.2	.0	2.2	.1	.2	1.1	1.2	6.9	.2	12.2	.2	115.3
150201	100.90 6982.78	783.0	124.8	92.3	.5	645.1	705.1	5545.3	9.4	25.1	24.8	7.0	1.3	.0	.0	.6	1.3	3.0	.0	6.1	.2	83.0
150202	122.32 6985.59	906.9	53.5	180.4	.2	586.9	875.5	4243.4	3.4	47.6	15.6	5.0	3.8	.3	.2	2.6	2.2	4.4	.1	5.7	.3	181.7
150203	116.73 6975.18	1290.1	216.2	346.1	.5	703.0	1640.1	5489.3	12.4	39.2	14.2	1.4	2.3	.0	.3	.6	3.5	4.2	.0	13.7	.2	58.2
150301	147.33 7012.08	752.7	49.8	14.8	.0	767.8	1352.2	6590.9	1.2	7.3	7.6	2.8	.4	.0	.0	.7	2.4	5.6	.0	10.2	.0	79.2
151401	13.74 6938.52	769.6	51.5	74.9	.8	982.4	1592.3	6977.6	13.1	65.2	56.2	7.6	13.4	.7	.8	1.0	.9	6.2	.0	10.6	.2	217.6
151601	27.68 6948.95	964.3	56.6	35.7	.2	563.6	853.6	4758.5	3.9	31.7	13.3	.0	.0	.0	.9	.3	2.7	4.6	.0	10.8	.1	39.6
151602	28.07 6941.49	632.6	23.4	439.0	.6	555.4	663.2	4869.3	11.5	6.4	427.7	1.2	1.4	.5	.6	1.2	2.1	2.3	.4	7.2	.3	215.1
151901	37.36 6922.14	682.4	50.7	42.3	.6	440.9	1111.4	3467.9	5.8	11.9	4.0	1.8	4.2	.0	.8	.5	1.2	4.8	.0	15.0	.0	64.6
152001	39.54 6928.45	534.5	26.6	6.3	.2	283.9	798.5	2576.6	1.3	19.8	3.5	1.4	3.8	.1	.9	.6	2.5	3.9	.1	7.9	.3	166.2
152501	74.54 6933.52	639.2	27.1	32.5	.2	184.6	1548.5	3003.9	.5	1.7	14.3	1.0	1.6	.3	.9	.3	.8	3.4	.2	8.6	.0	113.7
152801	66.32 6947.03	672.7	162.0	37.3	1.5	323.9	2104.9	3823.7	3.2	.8	8.1	4.5	.6	.7	.7	.7	2.8	3.2	.4	8.2	.3	108.4
153201	35.63 6960.12	175.1	38.4	38.8	.5	1268.5	949.7	10182.8	5.9	.0	3.8	3.0	1.2	.0	.5	.3	1.1	2.3	.0	10.3	.2	202.9
153401	72.55 6966.17	493.0	37.0	14.5	.1	459.7	969.4	4106.5	.7	23.6	5.2	2.8	3.5	.1	.4	.5	1.1	1.1	.2	8.1	.1	132.1
153402	59.42 6969.42	589.0	80.8	20.9	.6	538.6	519.9	4871.3	8.6	19.8	6.9	1.8	2.2	.1	.6	.8	1.0	2.1	.0	7.5	.2	111.1
153501	93.71 6960.92	571.6	26.7	5.6	.0	254.1	700.4	2523.3	1.0	17.1	4.7	.6	1.2	.7	1.1	.0	4.0	.8	.0	4.7	.2	23.7
153901	130.34 6952.61	918.1	19.0	5.6	.5	184.6	1134.0	1616.4	2.3	.0	.4	5.5	.6	.4	.5	.3	2.9	3.9	.0	7.9	.2	47.6
153902	131.02 6959.47	930.8	24.9	8.4	.1	205.6	658.7	1942.3	.6	.2	.5	.0	4.1	.1	.2	1.7	.8	1.3	.1	4.2	.0	54.5
154601	64.73 6987.60	561.8	243.8	586.5	4.1	1663.0	4098.8	15442.2	19.1	30.5	22.4	.0	.9	.5	.0	1.1	1.5	12.5	.2	26.7	.3	236.0
154701	95.31 6985.90	757.5	152.0	381.5	.7	777.7	1357.8	13970.2	.0	.2	54.3	.0	1.7	.0	1.6	1.8	3.2	2.2	.4	8.1	.3	282.0
154801	104.46 6992.66	1744.1	31.4	15.2	.4	1084.8	2312.9	5363.1	.4	18.5	4.5	1.0	4.4	.2	.3	.2	1.0	1.0	.1	6.9	.1	90.5
155101	117.04 6999.67	649.0	38.0	8.9	.3	401.2	1072.7	3625.9	.5	38.6	6.9	1.0	2.6	.0	.6	.6	1.0	2.0	.1	6.5	.3	104.0
155401	121.04 7007.08	1563.4	67.4	162.5	1.5	1138.6	2249.0	6078.1	17.3	11.7	23.9	3.8	7.0	1.2	1.2	1.2	1.8	8.6	.2	12.8	.3	284.3
155402	128.35 7013.79	543.6	102.4	92.4	.2	1303.2	2223.4	9220.0	5.5	59.3	16.1	3.8	1.4	.1	.5	.4	3.6	4.4	.1	15.4	.1	293.8
155403	125.38 7008.88	717.3	51.8	116.9	.4	810.4	1519.7	4754.2	4.8	15.1	5.7	.7	1.5	.0	.9	.0	2.1	3.0	.0	7.8	.1	89.8
156001	153.71 6998.22	587.1	125.6	310.8	.9	490.9	674.2	3442.5	37.2	5.1	13.7	.5	4.0	.0	.0	1.4	1.1	2.1	.0	5.6	.2	59.3
156501	171.55 6965.41	1344.5	24.3	23.4	.7	403.9	2770.7	1755.3	.7	118.3	4.4	.6	.9	.6	.2	.0	2.6	6.0	.2	13.9	.2	364.2
156302	168.66 6959.67	1838.7	11.6	25.4	.0	227.0	9088.3	1891.3	1.3	4.4	28.5	.0	2.0	.3	.8	5.1	2.6	.5	.0	36.1	.4	205.7
156601	180.93 6999.37	533.6	40.9	7.4	.4	205.9	562.3	2770.2	.4	.3	3.9	.0	.4	.1	.0	.6	1.0	2.8	.2	5.2	.1	50.5
156701	212.15 7006.70	464.6	25.0	12.2	.0	493.7	5177.7	2544.4	7.1	26.7	2.2	.0	2.2	.0	.0	1.3	3.0	.6	.1	11.0	.1	236.1
156901	184.30 7032.11	411.8	30.6	5.9	.5	432.3	808.7	3389.9	1.5	29.3	3.4	2.4	4.1	.0	.3	1.5	1.1	2.8	.0	6.4	.0	172.5
160101	279.20 7035.60	594.5	24.9	10.2	.0	762.8	5784.4	3712.5	1.1	.3	3.2	.0	3.2	.0	.5	1.5	1.0	4.7	.1	41.6	.2	241.1
160102	264.05 7037.35	975.8	37.9	83.9	.5	791.3	7005.5	4519.5	6.1	66.9	10.2	1.3	3.1	.5	.9	2.0	2.8	7.4	.2	9.8	.2	219.5
160103	273.15 7037.64	757.9	17.2	87.9	.3	1167.8	23270.3	5064.2	44.3	2.0	2.9	.0	.1	.4	1.0	.3	2.0	9.0	.4	37.8	.0	525.2
161201	202.04 7030.96	739.9	65.6	42.8	.2	517.2	1786.0	4660.1	3.6	27.8	8.2	.0	.0	.0	.5	1.3	1.8	9.0	.1	9.7	.3	130.9
162401	246.84 7066.12	604.0	84.8	43.2	.4	603.7	2147.4	5259.8	5.8	22.7	30.1	3.3	3.3	.8	1.4	.7	3.6	6.9	.0	10.1	.1	96.2
162402	263.09 7079.01	559.1	135.9	111.6	.8	565.5	1132.6	4824.7	3.6	12.8	9.2	3.2	1.2	.3	.0	.6	2.6	3.6	.0	7.3	.2	54.3
162403	250.49 7061.13	538.1	113.3	94.8	.3	503.7	2802.4	5679.5	1.6	59.2	4.9	.0	3.7	.4	.6	1.0	.9	1.3	.1	11.6	.1	125.8
162404	252.24 7062.11	812.9	108.7	273.2	.2	743.6	2383.9	5033.5	14.6	29.1	18.6	3.3	.0	.5	.0	1.1	1.8	1.5	.0	7.6	.1	58.0
162701	244.61 7086.28	553.2	93.7	42.0	.0	1030.4	1346.5	8873.8	1.1	6.0	28.4	.7	4.3	.0	.5	.8	2.9	1.7	.1	11.5	.1	149.4

Nr.	Koordinater	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
163001	262.48	7095.30	475.3	86.5	223.9	.1	655.8	555.5	5593.6	80.1	27.3	29.7	.0	4.1	1.1	1.6	1.1	1.9	1.0	5.8	.4	161.3
163401	230.41	6950.48	1329.2	10.1	3.5	.3	574.4	8687.1	1004.5	.2	30.8	8.0	.0	.9	.1	.4	.7	2.3	1.7	31.9	.0	50.8
163601	233.24	7010.89	966.6	79.2	194.8	.3	668.9	3695.7	3482.3	16.0	32.3	259.1	1.6	3.1	.6	.0	.0	1.2	.9	6.5	.2	43.2
163602	233.92	7001.77	1251.6	19.8	18.7	.0	507.1	3558.0	1656.7	1.5	55.8	39.6	.0	.3	.3	.0	1.1	1.0	1.7	6.3	.2	35.9
163801	242.03	7022.98	855.8	73.4	232.8	.5	1179.4	5375.0	4114.6	5.1	23.4	26.7	2.3	11.5	.6	1.1	.7	1.3	5.6	20.8	.1	189.8
164001	316.02	6944.61	2268.1	12.4	8.5	.2	3496.9	20489.8	1476.5	10.7	8.7	35.0	1.5	4.7	.6	.6	.3	3.0	41.7	70.2	.9	1340.4
164401	316.75	6975.24	332.0	15.2	21.1	.0	147.4	2509.2	731.5	.9	27.6	111.1	.0	3.3	.3	.8	.4	1.6	4.7	4.2	.1	118.4
164801	263.16	7000.54	767.0	21.3	84.4	.1	714.1	6847.5	2920.4	9.4	78.3	11.7	.0	1.4	.6	.3	.3	1.9	2.3	31.6	.1	172.0
165301	266.01	7026.11	294.3	2.6	3.5	.0	769.1	12931.0	3747.7	.8	14.2	3.4	.9	1.0	.8	.1	.7	1.2	4.0	32.3	.0	128.4
165701	258.99	7028.26	1010.5	32.2	44.8	.0	1717.1	16104.0	4895.6	3.6	.0	13.9	.0	.0	.0	.0	.4	.7	12.7	34.5	.0	43.9
165702	251.35	7025.58	863.8	32.0	143.3	.0	746.6	5550.8	4544.3	1.6	79.7	19.8	.0	.0	.0	.0	.0	.0	.0	19.4	.0	.0
166201	277.28	7023.15	758.9	43.2	46.9	.9	477.9	3271.6	1610.4	.6	9.5	9.2	2.3	3.4	.0	.3	.7	2.9	3.0	12.1	.2	198.6
166301	291.99	7036.85	685.3	75.9	143.3	.5	708.2	4575.0	4331.8	10.5	2.6	6.9	1.2	4.7	.0	.0	.7	1.8	11.0	33.3	.0	39.6
166302	285.05	7038.77	926.0	49.2	112.3	.3	855.3	7483.1	3832.8	18.8	14.5	9.3	.0	2.0	.0	.0	.4	1.4	2.8	39.1	.0	226.0
170201	332.45	7105.84	621.0	65.0	86.2	.4	714.2	4152.6	3560.8	12.6	14.2	20.2	1.3	3.7	.2	.3	.4	3.6	4.8	17.6	.1	170.3
170202	325.27	7094.04	943.4	76.8	156.5	.3	1138.4	5812.3	4956.5	7.8	42.2	6.8	1.0	.8	.4	.5	1.5	2.0	5.7	19.2	.1	150.2
170203	339.09	7115.13	559.8	55.8	45.6	.5	684.0	3979.0	5217.0	2.7	3.2	8.5	1.8	2.3	.4	.9	.0	1.2	2.6	17.1	.4	277.9
170301	331.52	7154.99	451.5	110.5	140.6	.0	474.1	523.5	7062.6	5.5	6.6	2.1	4.0	.8	.5	.8	.9	2.0	1.0	4.6	.2	73.9
171401	299.04	7047.18	658.8	78.0	105.6	.0	501.6	2087.5	2772.9	4.2	1.2	25.0	.7	5.5	.5	.4	.9	3.2	1.4	25.4	.3	164.5
171402	310.10	7046.06	1142.9	60.2	35.6	.3	258.5	10699.6	3100.5	2.9	2.8	1.0	1.5	.9	.4	.6	.4	.4	1.3	52.9	.3	66.2
171701	291.00	7059.49	530.7	70.6	40.4	.0	1050.7	5899.4	5901.1	2.9	39.1	69.4	6.2	1.3	.6	.2	.3	1.2	4.8	48.7	.3	514.2
171801	277.33	7072.85	487.6	34.5	28.1	.0	692.5	4040.4	3988.1	1.3	32.6	4.2	2.3	2.2	.8	.1	.4	2.3	4.6	15.6	.3	151.1
171901	310.11	7061.85	652.4	45.7	32.5	.5	962.2	6595.4	3528.6	3.0	3.7	6.7	.0	.9	.0	.5	1.5	2.0	2.4	33.8	.2	263.0
172101	332.48	7081.50	398.6	44.3	54.1	.0	910.1	5122.4	4316.4	4.4	17.8	8.3	2.6	.8	.4	.0	1.4	1.9	1.8	18.9	.1	401.1
172102	326.69	7085.64	813.9	63.2	161.8	.0	1063.4	3897.0	5724.8	5.8	263.8	161.5	11.9	4.1	.3	.6	1.0	2.3	10.5	17.3	.4	326.6
172401	315.29	7110.85	765.3	422.0	35.7	.4	732.6	2610.2	17060.2	13.2	2.3	23.8	.1	1.9	.3	.4	.0	2.1	2.6	10.6	.2	88.9
172402	309.74	7101.42	530.1	76.1	88.3	.4	586.5	2358.5	4684.8	5.9	11.4	116.2	5.4	5.3	.3	.2	.5	1.2	5.6	10.2	.2	113.0
172901	322.21	7087.33	986.4	41.9	133.6	.6	1138.7	5774.1	5176.9	11.7	39.6	29.9	3.4	.0	.6	.2	1.0	1.0	8.5	20.1	.3	347.0
172902	320.38	7096.29	846.4	54.1	398.8	.5	2250.0	17306.8	10314.6	163.4	39.5	20.6	.0	2.0	.6	.0	.6	.6	19.3	79.0	.6	2558.3
175001	321.26	7199.07	595.3	139.3	118.3	.5	1320.5	3015.8	12146.2	4.9	5.4	19.5	.0	.5	.0	.0	.0	.0	2.7	23.3	.0	78.1
180401	478.85	7465.49	875.0	44.4	65.3	.4	1118.0	10130.9	6637.4	1.8	6.6	2.3	.4	1.9	.1	.0	.3	3.2	21.4	35.3	.1	348.0
180402	474.61	7466.58	1149.5	65.1	121.9	.0	1342.7	3674.5	8174.6	2.6	6.3	9.8	3.0	4.2	1.0	1.3	1.0	2.6	8.5	18.6	.2	356.2
180403	490.44	7468.30	345.2	56.2	22.3	.4	441.0	1090.1	3343.6	4.8	29.3	10.9	.9	2.1	.2	.3	1.2	1.6	2.1	6.7	.5	86.0
180501	601.26	7594.16	346.0	18.4	13.5	.4	233.5	1427.7	980.8	2.6	5.3	4.4	.0	.3	.3	.0	1.5	.8	5.9	3.8	.2	168.7
180502	605.09	7607.73	434.3	15.8	75.9	.0	1541.8	10058.8	15116.1	3.2	.0	20.5	2.3	.6	.0	.4	.0	2.6	4.6	69.6	.1	88.5
181201	372.88	7252.18	498.2	89.5	83.5	.3	626.3	1918.6	7112.2	3.5	28.4	15.2	4.6	.1	.4	.6	1.3	2.4	1.6	11.9	.4	142.5
181202	369.23	7245.05	508.4	170.6	83.0	1.3	192.7	3867.5	6795.4	8.0	1.1	3.2	.0	.1	.0	.0	2.7	.5	16.0	16.6	.1	130.2
181301	371.89	7263.48	554.8	26.8	16.1	.3	860.9	8230.2	5962.3	1.2	.0	4.0	2.5	1.1	.4	1.3	2.1	1.1	2.8	47.6	.3	306.6
181501	358.86	7285.45	529.7	47.4	26.6	.0	1212.8	1564.9	9613.1	11.5	5.4	15.3	1.4	1.4	.0	.6	1.6	2.1	1.5	10.9	.6	239.9
181801	382.88	7327.53	599.3	39.4	13.4	.0	892.5	1926.9	8133.5	3.9	.3	9.7	5.0	.8	.3	.1	1.2	1.8	1.6	14.7	.7	278.7
182001	393.56	7318.50	618.9	206.2	194.7	16.4	632.3	2413.2	4671.0	5.3	44.4	24.3	4.0	3.5	.0	.6	4.6	2.3	4.6	11.4	.4	290.6
182002	388.44	7315.04	322.7	128.9	96.4	5.1	355.3	919.2	3044.5	3.3	22.9	32.8	3.9	5.3	.9	1.4	1.6	1.8	2.2	6.9	.1	142.8
182401	428.27	7299.84	714.9	47.4	67.6	.4	985.0	6688.2	3948.8	8.8	40.9	7.3	4.7	.8	.9	.4	.2	1.6	8.4	26.7	.2	313.2
182801	412.20	7344.11	1332.1	10.2	69.9	.0	1838.2	10722.2	8438.0	3.1	28.3	61.7	.0	3.2	.5	.9	.9	1.9	19.2	28.9	.1	1356.7
183201	439.58	7345.36	869.7	73.9	775.3	.0	633.3	6789.8	4008.5	12.2	47.8	19.2	.8	2.8	.2	.9	1.4	2.1	2.9	26.8	.2	104.4
183301	463.89	7349.68	538.3	33.9	73.5	.0	531.1	2715.5	2505.7	3.7	11.6	26.8	.0	.0	.1	.5	.6	4.0	6.2	7.3	.3	158.7
183302	459.04	7352.74	1042.5	55.1	139.9	.0	690.1	3996.6	2910.1	5.4	22.7	14.9	.0	6.4	.0	.3	.0	3.1	4.5	10.0	.2	170.6
183303	479.60	7366.73	294.5	24.4	28.0	.6	296.3	2396.8	1498.0	2.3	15.1	2.3	.2	2.0	.3	.5	1.1	1.1	2.9	7.6	.0	73.9
183901	486.64	7431.66	308.2	37.5	40.9	3.0	462.5	7287.1	2149.0	.9	.2	9.4	1.7	.2	.1	.7	.0	3.5	3.7	34.9	.0	84.0
184001	515.88	7441.85	900.6	32.9	23.6	.4	1548.3	8079.5	2670.7	1.7	33.8	20.3	.0	4.9	.5	.6	2.3	.7	16.6	41.3	.2	387.7
184101	515.48	7463.37	437.5	14.3	123.3	.4	2686.9	16556.9	3695.5	2.3	20.4	155.3	2.3	5.3	.8	1.4	1.0	3.4	3.2	23.4	.6	201.7
184102	521.01	7462.10	630.6	34.7	48.7	.2	1468.5	7624.2	2731.1	5.7	41.1	15.4	2.3	.0	.2	.2	1.5	.3	8.3	25.5	.6	192.6
184103	555.98	7443.63	534.4	11.4	43.5	.2	573.0	6967.0	1202.2	1.6	10.5	21.4	.0	1.2	.0	1.0	1.0	3.5	3.6	15.9	.0	395.1
184104	509.15	7465.30	387.6	45.8	38.4	.0	830.8	3467.9	3146.3	3.5	10.0	36.3	.0	1.1	.6	.6	1.0	1.3	6.2	15.6	.3	101.9

Nr.	Koordinater	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K	
185001	556.71	7555.53	914.7	17.0	18.5	.2	1047.0	17855.3	3247.8	1.9	43.6	5.3	.8	.4	.9	.3	1.3	2.8	10.6	.2	104.7	.2	478.8
185101	539.80	7590.14	640.0	61.0	24.6	.7	550.5	1020.8	3973.7	10.4	.0	.9	.6	.0	.0	.3	1.1	2.9	3.0	.1	5.1	.1	28.5
185401	572.84	7578.49	436.0	20.1	79.2	.1	364.8	1396.3	1777.3	2.0	75.6	27.4	4.4	.4	.4	.8	1.0	2.8	2.7	.2	4.8	.6	279.3
185701	401.20	7508.33	2145.2	74.8	29.5	.1	3334.8	5598.2	30812.3	4.6	.0	10.0	2.5	.0	.0	.0	.2	1.4	5.0	.1	31.6	.1	1082.3
186001	450.66	7558.14	770.0	39.4	237.1	.6	893.3	970.5	6640.7	2.9	8.5	6.4	2.3	.0	.0	.6	.4	3.2	2.7	.0	10.1	.1	138.5
186002	443.08	7560.98	794.8	53.0	111.2	.0	1015.7	1287.3	7588.5	6.9	13.4	10.8	.0	.0	.0	.6	.5	1.4	1.8	.0	11.2	.0	5.4
186501	480.95	7572.04	666.1	63.4	67.6	.7	595.3	832.7	4876.0	7.0	149.4	12.4	2.5	.6	.0	.2	1.2	1.9	3.9	.1	5.7	.2	150.2
186502	477.01	7569.34	214.5	52.3	38.0	.5	421.0	514.6	3620.9	1.7	216.1	48.7	6.8	.0	.0	.4	.6	3.1	3.5	.2	3.5	.2	107.6
186601	497.29	7607.08	1052.6	21.8	119.6	.7	883.5	2171.3	5785.9	2.4	22.5	10.7	.0	.0	.0	.6	1.1	2.3	7.2	.2	7.9	.2	383.4
186602	491.34	7599.81	909.4	8.4	30.4	.3	715.6	979.3	5141.7	6.1	25.3	8.0	.0	.0	.6	.1	1.0	1.7	3.5	.1	5.3	.3	434.3
186603	496.75	7601.61	1198.0	21.4	54.9	.3	862.9	2977.5	6293.9	3.3	116.8	11.5	.4	.5	.8	.2	.6	1.2	7.8	.3	13.2	.0	639.0
186604	509.95	7605.46	1150.2	32.6	85.5	.1	840.2	1182.2	5473.6	3.3	116.8	11.5	.0	1.7	.0	.2	.6	1.0	7.3	.2	8.0	.2	101.7
186801	504.44	7642.30	1155.5	22.1	24.6	.3	1223.7	839.4	7996.9	3.5	153.5	12.9	1.8	1.6	.1	.4	.7	1.0	4.6	.1	11.9	.0	128.4
186802	510.84	7639.85	1400.3	39.1	40.5	.1	1249.5	1616.4	7021.1	2.3	131.9	13.9	1.8	2.5	.0	.3	.8	1.2	3.4	.0	14.1	.0	167.4
187001	515.44	7622.09	886.4	21.9	30.9	.4	1035.6	2341.8	6528.2	2.0	56.5	8.8	.0	1.0	.0	.6	1.0	.0	3.4	.1	9.2	.2	254.5
187002	513.67	7618.66	1483.6	20.0	18.9	.6	1101.5	2365.8	6362.4	1.2	5.9	5.1	.0	2.3	.0	.4	1.6	2.0	5.0	.2	11.5	.1	257.5
187003	510.62	7616.35	1489.9	33.7	53.8	.1	922.9	3284.5	5095.7	1.1	12.9	6.3	.0	4.6	.3	.8	1.3	2.1	4.4	.4	14.4	.5	346.2
187004	522.02	7615.88	1274.2	34.5	25.1	.0	719.3	1544.0	4663.1	5.6	.3	20.3	2.5	1.0	.0	.0	1.0	2.1	5.0	.0	10.2	.0	180.3
187005	506.03	7619.71	663.1	46.0	47.6	.2	682.2	1183.1	4503.6	2.2	8.1	4.1	.0	4.6	.0	.0	.4	.4	3.5	.1	7.2	.9	271.3
187006	510.04	7627.00	1210.3	24.2	20.5	.3	2200.5	7573.9	7465.5	4.7	36.1	16.9	2.2	3.8	.0	.2	1.0	.9	5.0	.2	19.5	.6	398.8
187101	541.95	7685.88	839.6	24.6	14.3	.1	952.9	2287.3	6914.2	1.7	11.1	14.0	2.1	.2	.0	.0	1.8	2.3	4.5	.0	11.0	.3	304.8
187102	541.54	7679.13	759.8	14.4	15.3	.0	1083.9	2332.1	6321.6	2.2	43.5	6.3	.0	3.0	.4	.1	1.0	.4	17.7	.1	10.7	.3	507.3
187103	535.94	7683.04	435.6	21.0	9.1	.0	1414.4	2425.5	10399.7	10.9	66.5	51.9	2.6	7.3	.0	.3	1.8	3.8	5.3	.0	14.0	.0	510.8
187104	556.58	7628.14	468.8	17.7	26.8	.0	1601.3	7001.0	3975.7	1.8	14.8	3.9	5.3	3.3	.2	1.0	1.1	1.5	7.6	.0	27.0	.3	338.3
190201	655.50	7752.70	408.2	12.2	10.1	.0	496.5	1551.8	3706.2	1.8	14.8	3.9	5.3	3.3	.2	1.0	1.1	1.5	7.6	.0	27.0	.3	338.3
190202	649.26	7738.32	502.2	15.1	19.0	.3	578.6	742.9	4388.8	3.1	30.6	9.1	4.5	5.9	.3	.6	.3	1.6	3.0	.3	6.5	.1	89.8
190203	658.94	7734.68	753.4	19.5	13.5	.1	504.2	1607.4	3728.9	7.9	26.8	5.0	1.5	.8	.0	.0	.0	1.6	2.7	.1	8.0	.2	228.4
191101	545.82	7624.70	868.4	11.7	26.5	.5	775.1	2709.3	3002.7	15.1	57.1	3.0	.3	.4	.0	.0	.3	2.6	11.2	.0	8.2	.2	327.0
191701	586.88	7631.35	1189.5	18.0	29.9	.1	1884.0	13448.3	3563.5	1.4	3.7	4.5	.0	.0	.0	.0	.0	2.7	14.7	.0	79.1	.5	790.7
192201	630.19	7646.27	878.4	374.3	1174.7	16.1	937.5	8696.7	1770.4	174.7	1.7	18.7	1.3	5.0	.4	.4	1.3	1.5	10.9	.3	35.4	.1	158.6
192301	616.12	7643.74	1343.7	35.1	56.3	.5	8963.7	32459.6	61570.1	3.6	9.0	3.8	.8	4.4	.7	1.5	4.5	2.9	23.8	.1	190.6	1.9	3432.5
192302	637.15	7665.56	504.5	9.9	36.6	.4	1136.6	8961.9	2448.1	1.6	27.8	76.7	.0	3.5	.3	.4	1.3	3.2	5.6	.0	38.4	.2	130.4
192402	644.13	7674.83	951.2	18.3	178.2	.5	2376.6	11866.6	3745.5	1.6	29.2	4.6	.0	3.2	.0	.6	.3	2.8	36.3	.0	11.1	.1	160.2
192403	670.71	7663.13	998.8	101.9	147.6	.0	1455.7	4008.4	2061.6	4.6	127.0	188.2	3.8	4.7	.0	.0	.7	1.6	9.5	.0	31.2	.3	398.9
193101	612.21	7685.31	331.4	1.3	21.5	.0	376.7	1504.0	1979.1	.7	412.2	15.9	.0	4.5	.1	.2	.8	.9	1.7	.0	19.4	.3	174.6
193102	621.94	7685.44	1254.5	16.9	166.7	.0	1610.5	14875.1	4247.7	34.7	114.0	17.1	.0	3.1	.0	.6	.3	1.0	15.0	.2	55.3	.2	404.7
194101	727.34	7780.69	846.5	8.9	17.2	.0	547.8	2079.7	3425.9	1.3	8.4	215.1	.4	4.1	.0	.4	.4	1.3	.9	.1	8.6	.0	66.9
200101	819.58	7866.71	413.2	14.5	140.3	.1	540.0	781.8	4570.0	.9	18.0	90.6	.3	6.3	.0	.3	.0	.7	.8	.1	6.6	.5	86.9
200102	823.69	7863.77	460.8	20.4	109.7	.3	823.1	2071.7	6874.9	9.3	10.6	14.7	1.3	1.4	.3	.7	.8	1.2	2.0	.0	11.1	.1	160.2
200201	1093.97	7886.48	726.2	22.3	71.2	.1	2229.9	2326.1	8755.3	10.7	160.0	26.4	2.4	2.8	.0	.6	.3	2.8	36.3	.0	49.9	.1	160.1
200301	1057.89	7844.38	659.4	15.2	141.8	.0	2571.6	3363.2	3374.3	6.5	93.9	17.6	1.9	2.2	.4	.3	.9	3.4	34.1	.0	19.3	.4	99.6
200302	1040.41	7843.62	2157.3	37.3	265.5	.1	3052.2	4216.2	3770.3	16.6	20.9	40.6	.0	5.5	.0	.6	.6	3.7	26.7	.3	15.8	1.0	186.2
201101	821.19	7676.46	3571.1	12.2	57.1	.0	5711.7	13721.1	2146.2	1.4	22.0	21.2	2.0	1.3	.0	.0	1.1	3.0	13.0	.0	35.8	.3	1364.9
201102	837.89	7730.32	1642.9	10.8	185.9	.5	1067.6	7654.2	1477.3	3.0	177.2	10.2	2.3	3.2	.2	.5	.5	1.8	6.0	.2	7.8	.0	805.3
201201	821.73	7780.43	714.1	54.7	100.5	.4	1160.2	4217.7	2438.0	11.0	13.1	108.3	.3	2.3	.0	.6	.3	2.2	7.1	.2	17.6	.0	280.9
201202	812.86	7780.04	344.1	41.7	48.3	.1	592.2	2025.6	2137.3	4.5	23.3	50.2	.0	.0	.0	.3	.9	.9	6.2	.1	11.3	.1	95.3
201601	821.92	7857.80	816.9	31.0	27.2	.0	720.8	856.0	5986.0	2.8	21.8	10.8	.0	3.0	.0	.3	1.6	.8	3.9	.1	10.1	.1	135.7
201801	850.19	7903.58	615.9	17.1	21.9	.0	1205.6	1759.9	13346.2	1.6	.2	10.8	.0	2.7	.0	.1	1.5	1.8	10.3	.1	11.0	.4	435.2
201901	897.28	7912.85	918.0	13.0	49.0	.4	1276.4	7381.5	8297.6	2.0	82.7	12.6	2.4	5.0	.6	.8	1.1	1.5	5.1	.2	29.2	.4	748.8
201902	901.13	7913.32	1846.4	39.5	65.8	1.2	1427.7	3017.0	10495.3	1.6	6.4	10.8	.0	2.4	.4	.3	1.1	1.2	13.2	.2	12.9	.2	380.3
202001	880.06	7799.96	463.9	26.0	49.4	.2	1089.5	9668.2	2740.2	2.4	32.3	14.1	4.5	2.4	.0	.4	.5	2.8	13.2	.2	15.2	.0	335.2
202101	909.16	7741.37	2651.9	31.3	76.0	.4	2229.4	10009.4	1775.0	12.2	48.9	6.2	.0	1.8	.1	.8	.0	2.2	8.5	.2	16.7	.1	758.6
202201	947.92	7916.80	86.0	9.1	16.2	.0	967.2	3406.0	7896.0	4.2	76.3	19.6	.7	.8	.5	.0	1.3	3.0	1.3	.1	24.0	.1	285.6
202301	964.20	7929.46	238.3	4.4	31.7	.0	1085.6	3275.2	8990.9	.4	46.1	37.4	.0	.2	.0	.0	.6	1.9	3.8	.2	19.0	.0	160.4
202302	975.77	7936.80	147.8	19.4	277.1	.0	1212.8	2733.2	9952.6	.2	5.0	87.1	1.2	.0	.2	.0	.2	.2	.4	.0	19.6	.0	141.4
202401	1012.87	7920.79	1133.3	4.4	8.7	.5	828.0	2433.2	6594.9	2.0	10.9	4.8	1.0	2.7	.4	1.4	1.3	2.2	6.8	.0	22.1	.1	79.7
202801	1039.40	7906.01	984.9	23.5	74.1	.0	1529.4	3755.0	5554.7	2.1	3.9	205.0	3.7	1.7	.3	.3	2.0	2.4	20.9	.2	13.1	.0	62

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
10101	1109.2	118.0	89.6	.0	1302.4	3348.6	3660.6	9.2	144.7	15.1	.0	6.6	.0	.0	.2	35.2	.0	.0	20.7	.0	297.1
10201	916.5	52.2	14.4	.0	848.2	5123.1	7451.1	7.4	.1	.2	.0	8.1	.0	.0	.9	31.0	.0	.0	28.3	.9	361.1
10301	1302.4	277.2	84.0	1.6	1303.4	8629.7	2990.3	26.2	.0	8.7	.2	.0	.0	.8	.0	30.0	.0	.0	31.6	.0	.0
10302	996.3	136.5	39.3	.0	1061.9	2829.3	7924.2	10.7	.0	45.0	.0	.0	.0	.0	.0	2.2	8.3	.0	16.9	.0	.0
10501	523.3	71.0	114.1	.0	2054.3	5319.4	9399.7	24.0	8.9	2.3	.0	1.3	.0	.0	.7	16.5	.0	.0	35.7	.0	901.9
11501	786.8	119.8	3.7	.0	1462.4	3499.6	12390.0	6.8	.0	20.7	.0	5.1	.0	1.8	.0	14.5	.0	.0	24.3	.0	350.9
11901	1696.0	274.4	356.4	4.4	1489.6	4153.8	3220.8	27.3	90.3	15.3	7.3	5.1	.0	2.3	.1	23.1	.0	.0	25.5	.0	462.1
12201	2108.6	45.9	34.0	.0	3132.2	12440.3	5786.4	4.2	.0	20.3	6.5	.7	.0	.0	.0	25.1	.0	.0	59.3	.0	1465.5
12301	929.9	31.0	464.0	.0	1295.4	4509.1	3330.5	991.0	19.7	50.7	.0	2.8	.0	.0	.0	9.9	.0	.0	25.1	.0	431.5
12401	1179.6	73.7	11.3	.0	821.0	7903.0	4125.6	40.0	.0	11.1	.0	4.0	.0	.8	1.6	30.6	.0	.0	31.9	.0	248.0
12501	1163.5	46.1	5.3	.0	891.2	9605.4	1595.3	10.4	.0	3.4	3.3	.0	.0	1.6	1.5	31.7	.0	.0	32.7	.0	.0
12801	4648.0	57.0	37.4	.0	3930.4	23511.8	20955.3	50.7	34.0	7.8	6.0	4.7	.0	1.8	.4	9.9	.0	.0	66.4	1.7	2656.2
13801	313.1	20.3	34.0	.0	1263.2	3967.6	3774.4	22.8	7.4	2.2	.0	.0	.0	.0	.0	11.4	.0	.0	22.1	.0	253.1
21301	5716.9	182.1	.0	.0	3583.1	34200.9	15429.6	183.6	.0	8.1	.0	1.7	.0	1.0	.1	6.0	.0	.0	90.1	3.2	1426.2
21501	1475.5	1803.6	42.9	.0	1705.0	8017.8	16556.9	123.9	.0	3.8	.0	4.9	.0	3.7	.0	45.2	.0	.0	46.6	.8	457.0
21502	1172.6	1425.2	53.5	.0	982.5	3953.5	7522.6	266.1	.0	40.8	.0	.0	.0	.0	.0	20.1	.0	.0	22.1	.0	.0
21601	1564.1	131.8	1.8	.0	1193.7	4422.6	14010.5	122.6	29.4	3.4	.0	.0	.0	.0	.6	33.7	.0	.0	26.2	.0	281.6
21801	1804.7	81.6	7.4	.0	2526.3	22515.4	8320.7	25.3	.0	2.9	4.7	.0	.0	1.8	.7	23.0	.0	.0	73.8	1.2	1530.9
21901	1614.4	194.8	93.4	.0	416.8	5408.9	1430.2	23.1	7.9	9.9	.0	1.0	.0	.0	.0	14.4	.0	.0	25.2	.0	.0
21902	2153.9	173.6	78.6	.0	484.6	4054.2	2080.3	29.7	59.8	18.7	.0	1.0	.0	.0	2.0	18.9	.0	.0	33.5	.0	.0
22001	748.0	26.5	63.5	.0	624.9	6364.1	1484.6	42.4	256.0	19.2	1.1	6.4	.0	2.0	.0	40.5	.0	.0	58.5	.0	.0
22002	2179.1	28.8	53.5	.0	1469.5	31996.6	3541.9	35.5	89.8	3.3	.2	.0	.0	.0	.0	12.3	.0	.0	220.7	.0	218.9
22101	1868.1	217.8	42.9	.0	653.6	6406.4	4619.8	8.9	.0	3.3	.0	.3	.0	.0	.0	.0	.0	.0	25.9	1.2	.0
22601	1182.6	141.9	301.4	.0	636.8	6700.3	1673.8	25.6	.0	16.6	.0	.0	.0	.1	2.3	18.7	.0	.0	22.3	.0	.0
22602	936.3	378.8	24.4	.0	755.1	3450.3	18751.1	7.2	55.2	68.9	.0	.0	.0	.0	.0	13.3	.0	.0	15.5	.0	.0
22603	2811.2	280.9	163.3	.0	721.1	5374.7	2182.1	13.2	44.4	41.5	.0	.1	.0	.0	1.7	21.3	.0	.0	20.9	.0	.0
22701	603.1	154.9	14.2	.0	504.8	1849.9	1544.0	24.3	157.4	44.0	.0	3.1	.0	.0	.0	12.1	.0	.0	8.5	.8	.0
22702	6844.2	21.7	270.2	.0	8542.2	17845.2	115344.9	357.0	.0	3.1	18.6	.0	.2	3.9	1.4	25.4	.0	.0	101.5	1.6	3975.7
22801	436.1	18.7	28.1	.0	636.0	2921.9	1635.6	12.2	11.1	17.1	.0	1.8	.0	.0	.0	9.3	.0	.0	10.0	.0	.0
22901	418.9	62.2	2453.8	.0	571.6	2281.7	1949.6	52.8	32.5	3214.8	.1	6.1	.0	.0	.2	11.6	.9	.0	12.2	.1	92.7
22902	629.8	75.3	134.4	.0	572.3	3165.4	1815.7	15.5	240.1	38.2	.0	.0	.0	2.6	1.7	19.3	.0	.0	12.8	.0	.0
23001	603.3	47.9	159.5	.0	642.5	3201.7	1807.7	41.4	15.5	25.1	.0	.0	.0	.0	.4	19.0	.0	.0	13.4	.0	.0
23101	1453.4	24.8	3.8	.0	1277.2	10276.4	5621.3	15.1	.0	1.6	.0	1.8	.0	.0	.0	47.4	.0	.0	62.7	.0	476.7
23102	911.6	47.6	166.2	.0	804.4	5062.7	1712.1	34.7	6.4	13.9	.0	.0	.0	.2	.6	34.8	.0	.0	14.1	.0	.0
23103	495.1	105.8	246.4	.0	677.7	2767.9	1847.9	33.6	330.4	25.8	.0	1.5	.0	2.6	.2	20.2	.0	.0	14.8	.0	.0
23104	1380.9	314.3	269.9	.0	311.0	1901.3	5436.1	99.6	14.5	24.0	.0	2.8	.0	.0	.4	14.6	.5	.0	13.2	.1	.0
23301	2107.6	561.8	312.4	.0	343.4	1426.2	1602.3	384.6	306.2	55.7	.0	.3	.0	.0	.1	24.5	.4	.0	9.2	.0	.0
23501	1750.3	254.0	80.2	.0	258.8	2201.2	4866.4	30.5	.0	26.5	.0	.0	.0	.0	.2	22.1	.0	.0	9.9	.0	.0
23601	946.2	83.6	224.0	.0	706.6	3674.7	1602.3	19.6	.0	88.4	.0	.0	.0	2.6	.7	15.2	.0	.0	13.9	.0	.0
23602	1709.0	181.2	175.7	.0	724.3	4401.4	1674.8	51.7	110.8	9.3	.0	.0	.0	.0	2.2	11.4	.0	.0	13.1	.0	.0
23701	1243.0	87.6	191.7	.0	514.2	3320.4	2223.4	104.0	62.8	14.8	.0	.0	.0	.0	1.6	22.1	.0	.0	16.1	.0	.0
23702	1408.1	38.4	29.9	.0	476.4	4883.5	1213.8	8.4	9.9	92.8	.0	5.2	.0	.0	1.3	15.8	.0	.0	19.2	.0	.0
23801	1384.9	361.5	296.3	.0	246.3	1239.0	1289.3	158.9	30.7	188.0	.0	.0	.0	2.4	.0	4.9	.7	.0	11.5	.8	.0
23802	1848.9	229.7	207.0	.0	391.0	2687.4	1470.5	28.9	56.1	25.3	.0	6.9	.0	.0	1.4	7.9	.8	.0	13.5	.0	81.9
23803	1842.9	288.8	36.2	.0	258.2	1299.4	1337.6	.0	22.6	287.6	.0	12.7	.0	.0	.0	9.7	.8	.0	7.9	.6	322.0
23804	1670.8	220.8	100.1	.0	316.4	1762.4	1353.7	36.2	12.8	39.1	.8	4.7	.0	.0	.2	13.1	.5	.0	10.7	1.2	.0
23805	1538.9	261.1	183.1	.0	140.7	2175.0	1328.6	66.5	13.1	45.0	.0	.0	.0	.0	.0	16.0	.0	.0	12.5	.0	.0
23806	1031.7	30.5	182.9	.0	509.4	4410.5	1591.3	16.3	17.1	6.9	.0	.0	.0	.0	1.7	20.0	.0	.0	19.9	.0	.0
30101	1309.5	62.6	25.2	.0	486.3	2917.8	1638.6	14.2	6.2	13.4	.0	.2	.0	.0	.0	10.0	.5	.0	19.6	.1	.0
30102	1163.5	36.2	66.3	.0	643.1	3339.6	1876.1	9.5	43.0	16.2	.0	.0	.0	.0	.9	19.2	.0	.0	14.1	.0	.0
30103	1280.3	73.3	63.5	.0	430.0	3323.5	1395.8	20.8	8.1	7.2	.0	.0	.0	.2	1.2	19.3	.0	.0	26.5	.0	.0
30104	610.9	22.5	32.2	.0	853.2	4563.5	2147.9	9.2	.0	2.5	6.2	.0	.0	.0	.9	15.4	.0	.0	18.6	.0	.0
30105	1202.8	22.7	10.8	.0	889.3	5928.3	2214.3	11.7	.0	3.3	.0	.0	.0	.0	1.4	.0	.0	.0	28.1	1.2	.0
40101	156.2	10.0	9.4	.0	614.6	4591.7	1095.1	5.8	86.3	7.3	.0	.0	.0	1.0	.0	9.2	.0	.0	30.0	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
40201	4864.4	12.6	58.5	.0	1515.8	7795.3	7641.3	5.7	31.4	11.6	.0	2.9	.0	.0	1.1	.0	33.5	.0	27.0	.0	1232.0
41201	6016.9	47.3	2.7	.0	10407.2	42524.6	5580.0	5.7	.0	19.7	.5	2.4	.0	.0	3.5	.9	164.9	.0	571.4	2.5	4.4
41202	1607.4	128.0	9.0	.0	1182.6	8739.4	11735.8	7.6	35.9	11.1	.0	3.1	.0	.0	.0	.0	6.4	.0	68.2	1.6	740.3
41203	645.4	25.5	19.6	.0	638.3	5073.8	3427.1	.0	10.3	11.1	.0	.0	.0	.0	.0	2.4	16.2	.0	30.4	.0	88.1
41401	1402.1	82.5	394.8	.0	395.4	4605.7	1251.1	29.6	119.8	44.0	.0	3.7	.0	.0	.0	.0	22.9	.0	20.1	.0	.0
41501	1157.5	81.4	535.7	.0	489.8	3257.0	1918.4	63.9	20.6	23.5	.0	2.4	.0	.0	2.4	.7	200.2	.2	19.5	.0	.0
41701	362.2	26.3	13.1	.0	600.4	4614.8	1106.1	2.6	53.3	4.9	.0	.0	.0	.0	2.5	.1	45.7	.0	30.7	.0	.0
41801	1025.6	93.8	133.9	.0	957.6	4279.6	1485.6	7.1	41.1	16.2	.0	.0	.0	.0	.0	.4	28.4	.0	26.8	.0	.0
41901	1958.6	177.0	16.5	.0	665.3	15384.4	2221.3	65.4	.0	11.7	.0	.0	.0	.0	.9	1.6	22.1	.0	25.3	.0	.0
42001	4778.0	195.5	10.8	.0	2049.2	5610.2	3541.9	37.7	.0	13.4	.0	4.6	2.1	.0	.0	1.0	38.0	.4	44.0	.0	411.9
42002	4177.0	61.2	68.0	.7	1409.1	4256.5	3554.0	10.0	.7	3.0	.0	6.8	.0	.0	4.4	.0	45.7	.5	33.6	.4	770.3
42301	1214.8	2152.9	93.6	.0	741.9	14101.1	1814.7	35.0	.0	1.0	.0	.0	.0	.0	1.3	.6	25.5	.0	28.4	.0	.0
42501	1880.1	71.5	119.6	.0	657.2	4645.0	4403.4	6.5	5.7	3.3	.0	.5	.0	.0	.0	.0	24.4	.0	21.1	.8	.0
42601	4665.1	16.2	3.5	.0	2899.7	10195.8	4789.9	10.5	63.7	41.3	.0	.0	.0	.0	.0	1.0	350.2	.0	78.3	.0	505.9
42602	1948.6	248.2	28.0	.0	694.7	4870.5	5885.0	12.6	5.6	11.9	5.7	.0	.0	.0	1.0	.3	43.1	.0	23.3	.4	.0
42701	4773.8	30.5	26.9	.0	2370.3	8198.9	4913.7	296.0	.0	240.3	.0	.0	.0	.0	.0	2.0	139.6	.0	42.8	.0	797.9
42702	4488.0	32.5	175.4	.0	1332.6	6417.4	6149.7	558.7	.0	25.8	.0	3.4	.0	.0	1.8	.0	202.9	.0	40.2	.0	218.4
42801	2405.5	73.0	198.3	.0	284.6	3507.7	1304.4	33.6	9.9	4.3	.0	.0	.0	.0	.0	.1	13.0	.0	18.4	.0	.0
42901	2876.6	.0	211.2	.0	1799.6	20905.0	4091.4	162.9	53.4	14.0	.0	2.2	.0	.0	.0	.6	65.2	.0	119.0	.0	257.7
43001	2515.2	8.2	7.1	.0	826.9	5657.5	1233.0	.9	79.4	12.3	.0	.0	.0	.0	.0	.0	25.4	.0	20.1	.8	355.6
43601	1738.2	53.3	3.8	.0	531.8	18016.4	1368.8	4.7	14.7	15.1	.0	.3	.0	.0	1.6	1.3	20.5	.0	47.5	.0	264.9
43701	1875.1	19.7	29.9	.0	959.7	18620.3	1147.4	8.2	.0	7.1	.0	.0	.0	.0	.0	.0	38.1	.0	170.4	.0	.0
50101	3220.8	34.8	3.7	.0	3041.6	18197.5	3807.6	8.7	6.2	7.9	.0	.0	.0	.0	.0	.5	12.0	.0	31.3	.0	161.2
50102	1272.2	104.6	132.3	4.7	420.9	3562.0	1079.0	9.2	9.5	8.1	.0	.8	.0	.0	1.1	.1	3.9	.0	22.5	.8	113.9
50201	644.5	32.8	9.5	.0	652.2	4953.0	1174.6	4.4	16.3	3.6	.0	1.8	.0	.0	.0	.6	52.3	.0	164.0	.0	.0
50202	3700.9	.0	325.8	.0	2853.4	22817.4	2677.3	236.5	16.2	9.9	.0	.1	.0	.0	.0	.0	164.0	.0	30.3	.0	.0
51101	3441.2	24.5	143.7	.0	807.2	6267.5	3534.8	5.2	5.6	42.5	.0	2.0	.0	.0	3.2	1.1	13.3	.0	18.5	.0	434.1
51601	3309.4	.0	5.2	.0	2658.2	22183.3	5500.5	.3	20.4	10.3	.0	.0	.0	.0	.0	.0	45.5	.0	221.2	.0	225.1
51701	1172.6	24.4	10.7	.0	483.0	2132.8	3445.2	.0	.0	.5	.0	2.1	.0	.0	.0	.3	21.0	.0	13.1	.0	.0
52001	3802.6	55.0	10.8	.0	2826.3	10960.8	7693.7	8.4	7.5	.4	3.5	2.6	.0	.0	.0	.6	75.0	.0	72.2	1.2	763.7
52801	1420.2	87.1	338.6	.0	522.5	4181.0	1227.9	16.8	29.3	1.2	.0	.0	.0	.0	4.1	.6	31.5	.0	30.6	.0	.0
52802	1108.2	26.3	32.2	.0	661.0	6693.2	2361.2	53.5	15.3	.6	.0	4.2	.0	.0	.0	.0	31.4	.0	30.3	.0	.0
52803	754.2	69.1	113.8	.0	5033.5	40380.8	4099.5	65.1	.0	89.6	.0	4.3	.0	.0	.0	1.4	32.6	.0	117.0	.0	2208.3
52804	834.4	69.1	62.7	.0	428.5	3153.4	1274.2	12.4	.0	7.2	8.6	2.2	.0	.0	.6	.0	36.8	.0	18.4	.0	.0
52901	826.9	74.0	78.8	.0	480.5	3065.8	1059.8	8.1	.0	1.8	.0	.0	.0	.0	.0	2.7	20.9	.0	14.6	.0	404.0
52902	850.2	75.9	78.8	.0	491.9	3184.6	1116.2	10.7	6.1	5.8	.0	.3	.0	.0	.0	2.4	24.4	.0	15.1	.0	386.9
53201	1300.4	16.4	20.2	.0	663.6	5974.6	1147.4	1.7	6.9	197.0	.0	2.2	.0	.0	.0	1.0	11.4	.0	37.8	.8	21.0
53301	2434.7	202.7	102.2	.0	341.7	2118.7	1559.1	6.7	96.4	240.1	.0	.0	.0	.0	.0	1.0	24.0	.2	12.3	.0	.0
53302	583.9	33.0	22.5	.0	289.5	2279.7	1675.8	9.7	31.8	12.2	.0	5.5	.0	.0	.0	.8	10.7	.0	10.0	.0	.0
53401	1359.8	40.7	18.7	.0	672.2	5911.2	1865.0	4.4	15.1	3.5	.0	1.3	.0	.0	.0	1.6	28.3	.0	38.6	.0	.0
53801	1937.5	.6	10.8	.0	569.0	5659.5	1364.8	6.6	5.4	15.3	.0	.0	.0	.0	.0	.0	30.8	.0	42.2	1.2	175.4
54201	797.9	8.1	6.5	.0	722.6	2509.2	895.6	.0	161.8	13.0	2.5	.0	.0	.2	.5	.6	8.4	.3	29.3	.3	.0
60201	2655.1	68.9	25.6	.0	558.9	5393.4	2187.1	93.1	.0	39.6	.0	.1	.0	.0	4.8	.6	12.0	.4	27.0	.6	.0
60202	1049.8	229.4	16.1	.0	401.6	2702.5	1824.8	29.2	23.9	52.8	.0	5.7	.0	.0	.0	.0	1.7	.0	15.1	.0	.0
60203	2395.5	80.1	59.2	.0	433.8	18519.6	1147.4	124.5	19.9	215.2	.0	7.3	.0	.0	.0	1.4	48.3	.0	47.3	.0	.0
60401	1466.5	216.9	164.4	.0	364.0	4449.7	822.1	31.1	49.0	11.1	5.7	.2	.0	.0	.0	.6	87.0	.4	67.1	.0	1546.0
60501	971.5	59.0	69.0	.0	485.4	2506.2	2486.1	7.9	7.2	3.3	.0	.0	.0	.0	1.4	2.3	19.8	.0	21.1	.0	.0
60502	1402.1	47.1	23.3	.0	694.1	4383.3	1256.1	4.6	8.7	66.9	.0	4.1	.0	.0	.0	.3	2.8	.0	12.7	.4	.0
61201	891.9	34.8	37.4	.0	959.4	6413.4	4141.7	4.9	16.3	17.4	3.2	6.7	.0	.0	.7	1.7	17.0	.0	84.2	.0	.0
61202	988.9	51.1	35.6	.0	524.7	5099.9	1888.2	6.5	13.7	243.9	3.9	10.2	.0	.0	.0	1.1	6.7	.0	32.9	.0	.0
61601	4209.2	22.1	7.1	.0	715.3	8459.6	2259.6	.2	24.6	7.3	.0	.0	.0	.0	.0	.0	14.1	.0	24.2	.0	29.3
61701	2035.1	24.4	18.7	.0	696.8	4340.0	9780.2	5.7	6.0	.4	.0	8.2	.0	.0	.6	.3	1.3	.0	22.5	.0	834.4
61901	571.9	32.5	80.2	.0	291.9	3956.6	641.9	26.0	59.2	4.4	.0	2.0	.0	.0	.2	.2	25.0	.0	18.6	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
62001	1296.4	11.7	63.5	.0	298.9	2870.5	585.0	3.7	114.0	9.1	.0	.0	.0	.0	.0	1.6	9.3	.0	16.5	.0	.0
62002	1072.9	25.9	25.2	.0	382.1	4549.4	725.8	6.2	.1	3.3	.0	4.7	.0	.0	.0	1.5	.0	.0	31.1	.1	.0
62301	2379.4	136.1	69.0	.0	731.2	8727.4	1614.4	21.5	9.9	12.3	.0	.0	.0	4.7	.0	.2	19.2	.0	30.6	.0	.0
62302	2881.6	60.1	34.0	.0	708.7	14523.8	1434.3	.5	9.4	11.2	.0	.0	.0	.0	1.0	25.5	.0	37.7	.0	.0	.0
62401	916.8	32.8	31.8	.0	713.7	11242.6	3200.7	31.7	9.9	4.9	.0	.5	.0	.0	.4	13.9	.0	30.1	.0	.0	.0
62501	3025.5	79.7	44.8	.0	943.4	11162.1	2247.5	8.2	6.1	115.1	.0	.0	.0	.2	.0	.0	9.0	.0	30.0	.0	.0
62601	1027.6	28.1	12.5	.0	639.7	4539.3	7476.3	.0	9.8	1.5	.0	.0	.0	.0	.0	5.5	.0	31.0	.0	.0	.0
62701	997.0	162.8	50.4	.0	425.6	3273.1	2099.6	60.5	18.1	18.6	.0	4.9	.0	3.0	.7	19.8	.4	15.9	.0	.0	.0
62702	938.6	15.1	110.8	.0	1025.6	9223.6	3250.0	225.1	17.7	17.3	.0	3.6	.0	.0	.0	22.5	.0	34.7	.0	291.2	.0
62801	1902.3	505.2	198.0	.0	511.9	2310.9	2893.7	123.9	8.9	39.7	.0	1.5	.0	.0	2.4	.7	30.2	.0	16.8	.0	.0
62802	9173.2	42.8	714.9	.0	9449.0	57430.9	23058.9	26.8	19.2	73.2	.0	2.4	.0	.0	3.6	.0	58.6	.0	336.7	11.6	2764.9
62803	1902.3	256.1	117.9	.0	506.7	3183.6	2315.0	110.6	.0	38.5	.0	.3	.0	.0	.3	.3	7.1	.4	15.8	.0	264.1
62804	3475.4	1319.5	180.3	.0	897.6	3069.8	6113.5	550.4	79.6	94.2	.0	6.2	.4	.0	.0	.0	30.7	.9	22.2	2.0	1486.6
62805	1042.7	297.3	5.6	.0	447.4	2541.4	2454.9	21.5	102.9	96.5	.0	.0	.0	.0	1.8	1.3	18.3	.4	14.0	.0	.0
70201	1703.0	69.1	48.5	.0	1046.8	8630.7	3451.3	39.2	.0	3.3	.0	1.2	.0	.0	3.4	1.5	23.8	.0	79.7	.0	.0
70501	1849.9	105.8	29.9	.0	791.5	4607.8	2963.1	12.9	.0	19.7	.0	.0	.0	.0	1.4	.7	22.7	.0	22.6	.0	.0
70701	1816.7	89.5	18.6	.0	700.4	2734.7	6130.6	14.4	.0	16.0	.0	.0	.0	.0	5.1	.3	16.5	.0	21.4	.0	129.4
70801	1667.8	102.0	52.0	.0	982.9	2924.9	6072.2	29.4	9.8	14.5	1.8	2.7	.0	.0	.0	.5	18.9	.0	26.7	.0	140.9
71101	1916.4	131.5	31.9	.0	449.7	3418.1	2540.4	10.2	21.5	763.6	8.5	.0	.0	.0	.3	1.1	9.1	.4	16.1	.0	.0
71301	1985.8	147.5	114.1	.0	541.9	4726.5	2275.7	28.6	10.5	92.2	3.2	.0	.0	.0	.0	.3	50.3	.0	30.3	.0	.0
72601	1855.0	149.0	59.8	.0	980.5	2932.9	6099.4	43.8	7.2	32.0	.0	.0	.0	.0	1.4	.0	47.8	.0	28.3	.0	66.3
72701	2348.2	140.4	84.0	.0	773.0	2841.3	3285.2	15.5	43.6	109.2	4.5	3.9	.0	.0	3.4	.0	22.4	.0	21.4	.0	.0
80501	2384.4	160.4	143.6	.0	1013.5	7287.1	2618.9	20.8	.0	12.4	.0	.0	.0	.0	1.0	.2	11.7	.0	37.9	.0	.0
80601	874.1	63.0	20.6	.0	253.7	1978.8	2333.1	11.0	.0	6.5	1.5	3.2	.0	.0	.0	.0	1.4	.0	10.0	.0	.0
80602	2067.4	77.0	187.1	.0	896.2	4681.2	4645.0	16.4	.0	10.5	.0	.0	.0	.0	.0	1.1	14.3	.0	37.6	.0	25.8
80603	1780.5	79.3	144.1	.0	640.9	6454.7	2702.5	8.6	17.5	21.8	1.6	.0	.0	.0	.0	1.5	9.7	.0	20.8	.0	.0
80604	1247.1	110.1	206.3	.0	314.4	1950.6	11745.9	4.0	7.4	217.3	.0	6.3	.0	.0	.0	.4	11.4	.0	11.4	.0	.0
80701	798.3	55.0	16.8	.0	182.2	1663.7	704.2	14.0	49.8	8.0	.0	4.9	.0	.0	2.6	.3	22.4	.0	7.8	.0	.0
81401	1303.4	45.5	10.8	.0	602.2	3612.3	2590.7	6.3	123.7	13.8	.0	1.3	.0	.0	.0	.4	16.7	.0	10.2	.4	.0
81501	1662.7	271.4	87.9	.0	593.5	5007.3	2255.6	50.0	18.5	20.8	.0	3.2	.0	.0	.0	1.4	10.9	.0	12.2	.8	34.2
81701	1237.0	242.0	213.3	.0	262.6	1351.7	1252.1	35.0	121.1	30.0	.0	1.0	.0	.0	.3	.4	7.3	.0	6.1	.0	.0
81901	990.3	107.8	57.9	.0	273.4	2087.5	980.6	24.8	7.9	7.4	2.3	2.9	.0	.0	.8	1.5	14.4	.0	10.2	.0	.0
82101	3634.5	40.5	3.7	.0	552.0	3683.8	13628.0	33.9	5.6	2.0	.0	.0	.0	.0	2.0	.0	21.4	.0	19.1	.0	.0
82601	528.9	22.3	34.0	.0	627.2	7180.4	1561.1	14.9	24.2	3.4	.0	.0	.0	.0	.0	1.1	13.6	.0	7.0	.0	.0
82801	1968.7	113.2	503.1	1.6	627.2	7180.4	1561.1	21.0	33.4	16.5	13.0	2.8	.0	.0	.0	1.8	18.7	.0	22.1	.0	1013.5
82901	843.0	165.3	503.9	.0	275.2	1163.5	751.8	121.3	322.0	14.9	.0	.0	.0	.0	1.6	.0	.0	.2	4.5	.0	.0
90101	757.2	68.5	43.0	.0	1047.8	2504.2	7173.3	8.0	.1	9.5	.0	3.7	.0	.0	.0	.0	.0	.4	8.4	1.2	.0
90102	1097.1	214.9	199.0	.0	616.0	2056.3	3303.3	20.5	.0	28.3	1.1	.5	.0	.0	.0	1.5	15.0	.0	8.4	.0	.0
90301	1070.9	364.2	29.9	.0	501.1	1324.6	6622.8	51.0	6.4	30.5	.0	.0	.0	.0	6.1	.0	15.4	.0	9.7	.0	.0
90401	912.5	325.3	46.5	.0	506.2	1328.6	4247.4	56.9	6.1	29.9	.0	15.1	.0	.0	.0	.1	8.9	.0	8.5	1.2	.0
91401	786.6	109.9	163.2	.0	948.7	2052.3	4100.5	32.5	116.0	27.2	.0	18.0	.0	.0	.0	1.3	18.0	.0	10.9	.0	84.2
91901	1155.5	217.9	284.3	.0	281.7	1202.8	2486.1	26.6	111.0	21.4	3.8	1.5	.0	.0	.0	.0	9.9	.0	6.9	.0	.0
92601	934.7	318.1	25.2	.1	611.2	1435.3	7376.6	13.4	6.2	8.4	.0	3.9	.0	.0	.0	.5	10.7	.0	10.5	1.2	161.2
92801	3453.3	83.6	1.7	.0	628.3	2912.8	13316.0	2.8	.0	3.4	.0	.0	.0	.0	.6	.4	10.7	.0	15.6	1.2	71.7
93701	3273.1	185.0	9.0	.0	511.2	2996.4	8610.6	22.9	.0	1.5	.0	.0	.0	.0	.0	.0	14.3	.0	16.6	1.2	71.7
100101	1020.2	308.4	30.0	.0	687.4	4935.9	8854.2	64.7	.0	21.9	3.8	2.3	.0	.0	1.1	.9	18.7	.0	64.2	.0	.0
100102	890.9	218.8	19.7	.0	871.2	2016.0	10447.5	123.0	13.6	35.9	.0	6.7	.0	.0	1.6	.0	23.7	.0	12.7	.0	.0
100201	586.8	229.9	69.2	.0	791.8	1820.8	7527.6	135.6	.0	24.0	3.8	2.8	.0	.0	.0	1.6	23.1	.0	17.9	.0	5.2
100301	772.2	327.7	295.7	.0	832.2	1514.8	9322.2	25.2	79.9	39.6	.0	.0	.0	.0	.0	1.8	17.9	.0	8.4	.0	.0
100302	739.3	242.2	188.1	.0	1321.5	1497.2	12812.7	149.2	151.9	70.5	2.0	.0	.0	.0	.0	3.1	14.1	.0	14.1	.0	.0
100401	461.1	259.1	64.6	.0	652.5	1343.7	8635.8	49.2	9.5	51.4	.0	.0	.0	.0	.5	2.9	16.2	.0	8.3	.0	.0
100402	733.5	349.4	37.5	.0	537.1	548.1	5371.7	18.3	36.8	30.2	.0	.0	.0	.0	.4	1.1	9.2	.0	5.0	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
100403	548.6	328.0	2014.0	.0	604.5	610.6	9275.9	19.4	83.1	223.1	.0	.0	.0	.0	.0	1.2	4.8	.2	5.2	.0	.0
101401	2503.2	129.4	102.0	1.2	1322.5	24588.8	20029.4	89.0	.1	5.6	.0	7.8	.0	.0	.0	.0	35.2	.5	388.6	1.2	388.6
101402	987.5	413.1	285.0	.0	463.0	1238.0	3891.1	41.3	11.3	34.9	.0	.0	.0	.0	.8	1.7	14.5	.0	8.4	.0	.0
102101	963.7	293.8	105.5	.0	604.4	1291.3	4368.2	71.7	30.6	37.1	.0	2.7	.0	.0	.0	.0	.0	.0	8.5	.8	.0
102901	550.0	425.2	2828.3	1.5	874.0	1200.8	7112.9	95.5	.0	21.2	.0	.0	.0	.0	.0	.5	1.9	.4	9.8	.0	.0
103201	607.9	207.8	94.7	.0	696.4	1614.4	5957.5	75.2	243.9	37.1	.0	.8	.0	.0	.5	.5	.0	.0	11.7	1.6	113.0
103202	1007.5	236.6	149.8	.0	512.9	904.3	5106.0	25.5	88.8	89.3	3.9	.0	.0	.0	2.7	.4	9.9	.0	8.2	.0	.0
103701	1696.0	256.1	3.8	.0	522.8	1997.9	15600.8	25.2	.0	9.5	1.5	8.2	.0	.0	1.1	1.7	14.9	.0	17.3	.0	.0
110101	168.6	301.8	64.4	.0	876.4	1095.1	10023.7	45.3	7.5	15.5	.0	.0	.0	.0	.0	.0	.0	.0	12.9	.1	147.6
110201	419.8	75.3	31.7	.0	926.8	2401.5	8494.9	8.4	.0	36.4	.0	4.9	.0	.0	.2	.0	21.2	.0	17.5	.0	57.6
110301	601.0	77.2	16.0	.0	687.2	1068.9	6553.3	25.7	.0	14.2	.0	.0	.0	.0	.0	.0	6.2	.0	8.2	.0	.0
110601	459.2	170.8	42.9	.4	912.6	3486.5	7246.8	22.3	.0	11.0	.0	1.7	.0	.0	.0	.8	.0	.4	13.2	.8	400.6
111101	477.2	164.8	42.9	.0	688.6	1089.0	11373.4	24.0	.0	10.5	.0	.0	.0	.0	.0	.0	8.8	.0	10.2	.0	66.5
113001	502.7	123.5	112.4	.0	435.8	641.9	4111.6	10.4	74.1	20.3	.0	.0	.0	.0	2.2	1.9	1.8	.0	4.8	.0	1033.7
113002	14.2	18.9	.0	.0	875.9	2552.5	5976.6	12.9	13.6	36.3	.0	.0	.0	.0	.7	1.5	4.1	.0	18.2	.0	.0
113501	274.3	73.3	65.5	.0	98.3	388.1	890.2	28.6	36.8	59.7	.0	1.6	.0	.0	.0	.5	1.4	.0	2.1	.0	590.9
114101	42.8	44.2	60.9	.0	1369.8	1348.7	11665.3	3.0	.0	8.2	.0	.0	.0	.0	1.0	1.6	25.1	.0	11.1	.0	.0
114901	245.6	53.4	75.2	.0	1588.3	3053.7	14060.8	7.3	11.9	12.8	.0	.0	.0	.0	.0	.6	10.5	.0	11.9	.0	.0
114902	317.3	67.2	28.2	.0	1624.5	2174.0	12792.6	7.5	.0	10.8	.0	.0	.0	.0	.0	.6	1.4	.0	12.3	.0	.0
114903	485.5	102.8	119.9	.0	1804.7	1980.8	14755.3	119.6	24.3	17.4	.0	.0	.0	.0	.4	3.2	5.3	.0	10.6	.0	.0
114904	438.0	69.8	107.5	.0	1494.7	1875.1	12259.2	27.4	73.4	38.2	.0	2.2	.0	.0	.0	1.4	8.3	.0	10.6	.0	.0
120101	628.0	151.1	63.5	.0	406.5	563.9	3505.6	21.5	30.6	11.9	.0	.0	.0	.0	1.6	.0	19.3	.0	4.6	.0	.0
120102	457.5	130.2	74.7	.4	384.4	418.8	3044.7	17.4	8.1	14.8	.0	.0	.0	.0	3.0	.7	13.8	.0	4.0	.0	.0
120103	648.2	206.0	106.5	.0	432.2	650.0	3872.0	19.1	114.7	31.0	.0	.0	.0	.0	3.0	.0	8.6	.0	5.1	.0	.0
120104	420.6	264.2	130.8	.0	206.3	287.3	8080.2	7.8	.0	12.4	.0	.0	.0	.0	1.2	1.2	3.1	.0	2.0	.0	.0
120105	876.0	181.0	28.1	.0	716.9	2616.9	7138.1	2.6	5.6	1.6	.0	.2	.0	.0	.0	.0	5.6	.0	10.0	.0	.0
120106	517.3	165.3	141.6	.0	503.3	850.8	5847.8	13.2	38.5	35.6	.0	.0	.0	.0	1.0	2.2	12.9	.0	7.0	.0	.0
120107	748.7	118.9	63.6	.0	667.4	1499.7	5946.4	9.2	243.5	17.4	.0	2.0	.0	.0	.0	.0	9.1	.0	8.9	.0	.0
120108	163.5	51.1	32.2	.0	711.9	1357.8	5801.5	27.8	137.4	16.8	6.9	3.8	.0	.0	.0	.0	7.4	.4	3.8	.8	318.4
120109	444.9	137.6	109.1	.1	380.7	425.4	3186.6	12.9	11.4	31.8	.0	.0	.0	.0	.1	.0	10.4	.0	8.3	.0	.0
120110	564.1	130.2	48.5	.0	552.4	1494.7	4493.0	20.8	.0	11.6	.0	3.4	.0	.0	1.8	.7	10.4	.0	8.3	.0	.0
120111	408.4	60.2	53.7	.1	305.1	641.5	2285.8	9.9	214.0	12.6	.0	.0	.0	.0	.0	1.2	1.9	.0	6.5	.0	.0
120112	507.1	128.0	55.6	.0	355.8	803.6	3706.9	.0	29.8	145.5	.2	1.1	.0	.0	.0	.0	9.8	.0	6.5	.0	.0
120113	600.9	146.1	51.1	.0	624.3	558.6	4671.2	.0	61.0	22.5	.0	11.5	.0	.0	.0	2.0	12.3	.3	6.6	.3	398.4
120114	776.6	101.7	87.5	.4	576.3	4246.4	4535.3	38.0	.0	40.8	.0	2.6	.0	.0	.0	.4	9.9	.0	11.2	1.2	168.3
122101	371.5	100.0	100.4	1.8	318.1	645.8	3116.1	19.5	78.2	25.5	3.6	3.7	.0	.0	.1	.4	4.4	.2	3.4	.0	40.4
122401	346.0	131.1	15.0	.0	185.8	548.3	2062.3	8.3	230.9	59.9	9.4	.8	.0	.0	.0	1.5	7.8	.0	3.6	.0	.0
122801	434.7	115.2	99.1	2.0	124.4	739.8	863.6	10.2	.0	10.2	.9	4.2	.0	.0	.0	1.4	1.4	.0	2.4	.0	.0
122802	756.9	30.4	10.7	.0	270.1	1915.4	1417.2	2.2	.0	3.3	.0	.0	.0	.0	.0	.0	4.0	.0	5.4	.0	.0
122803	531.4	44.9	67.4	1.6	130.3	860.8	1367.8	5.9	.0	4.1	.4	1.8	.0	.0	.0	1.8	1.4	.0	1.9	.0	.0
123501	4069.3	.0	10.8	.0	698.2	5807.5	3490.5	20.2	90.1	11.8	.0	.0	.0	.0	.0	.0	4.6	.0	32.4	.0	506.5
123801	102.0	24.7	3.7	.0	137.0	500.9	962.4	6.5	.0	1.5	.0	8.2	.0	.0	.0	.2	25.0	.0	2.0	.0	.0
124301	648.2	132.8	173.0	.0	434.1	1605.4	3725.1	11.2	8.0	19.7	.0	13.4	.0	.0	1.1	1.1	.0	.0	5.1	.0	.0
124701	743.2	178.2	57.6	.0	626.7	1351.7	5746.1	13.9	312.8	31.9	.0	.0	.0	.0	.0	1.1	.6	.0	8.5	.5	.0
125101	601.3	118.9	41.2	.0	236.8	721.1	1725.1	6.7	63.5	8.9	.0	1.7	.0	.0	.0	1.6	11.8	.0	6.7	.0	.0
125102	486.3	54.3	122.0	.0	287.0	846.2	2158.9	3.9	46.9	48.7	.0	.0	.0	.0	.0	2.4	.0	.0	3.8	.0	.0
125103	477.3	118.0	29.9	.0	291.9	625.4	2082.4	12.3	87.6	23.1	.0	.0	.0	.0	1.4	.6	12.5	.0	6.8	.0	.0
126301	587.6	82.0	303.6	.8	849.4	1246.0	8037.9	9.7	25.2	11.3	.0	.0	.0	.0	.0	.0	18.5	.0	23.6	.0	436.9
140101	281.7	61.8	112.9	.0	434.4	610.0	3759.2	6.1	40.1	479.5	.0	.0	.0	.0	2.0	.4	3.7	.0	3.6	.0	.0
141601	276.8	41.9	10.9	.0	122.0	479.2	954.3	3.9	.1	3.3	.0	.0	.0	.0	.0	.5	.0	.0	8.0	.8	.0
141602	539.8	150.3	39.2	.0	297.4	480.8	1946.6	9.7	61.7	7.9	.0	.0	.0	.0	.0	1.6	7.9	.0	4.5	.0	.0
142001	752.0	94.7	95.3	.8	147.3	1292.3	1410.1	6.9	21.7	2.3	.0	3.9	.0	.0	.0	1.0	12.7	.0	12.3	.0	.0
142201	939.7	16.2	8.9	.0	259.1	2701.4	847.4	.0	6.8	217.6	.0	.0	.0	.0	.0	.7	20.5	.0	36.2	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
142401	493.7	20.3	9.4	.0	94.0	645.9	504.0	10.0	15.3	3.6	.0	4.6	.0	.0	2.0	.3	14.6	.0	7.3	.0	.0
142402	3827.4	14.4	1.7	.0	1677.8	3975.7	5169.4	.0	.0	.4	.0	3.9	.0	.0	.8	1.4	13.4	.0	37.5	.0	844.8
142801	716.0	57.7	26.9	.0	621.3	782.9	4929.8	6.5	6.7	147.8	.0	1.3	.0	.0	.5	.4	5.5	.0	5.6	.8	.0
142901	402.1	103.9	101.6	4.6	301.0	401.9	2600.8	5.8	.0	4.9	.0	.0	.0	.0	.8	.0	2.3	.0	3.1	.0	.0
143201	455.8	81.1	147.5	.0	207.5	458.2	1841.9	20.4	.0	2.2	1.0	.0	.0	.0	1.0	1.0	12.9	.0	3.5	.0	.0
143801	511.8	80.1	26.9	.0	490.9	2462.9	3583.1	.2	5.0	14.0	.0	1.3	.0	.0	.7	.1	.6	.0	8.4	.0	.0
143901	581.7	114.0	71.5	.0	658.7	576.0	5820.6	5.6	50.8	2.8	.0	.0	.0	.0	.0	.0	.6	.0	6.3	.0	.0
143902	863.9	183.1	63.5	.0	646.4	1249.1	5801.5	15.5	46.4	22.0	.0	.0	.0	.0	3.7	.7	14.0	.0	8.2	.0	.0
143903	440.8	119.3	71.6	.0	747.0	612.6	5924.3	10.8	91.5	11.0	.0	.9	.0	.0	.0	.0	4.8	.0	7.0	.0	.0
143904	520.5	120.3	98.9	.0	280.8	1204.8	3821.7	7.5	33.5	7.9	.0	3.4	.0	.0	2.6	.2	6.2	.0	7.3	.0	.0
144301	634.4	87.9	34.0	.0	282.3	595.8	2063.3	2.4	7.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	7.3	.0	.0
144302	662.2	47.2	20.5	.0	301.1	621.3	2345.1	5.0	15.7	10.4	.0	.8	.0	.0	.6	1.2	7.2	.0	5.0	.0	.0
144501	1198.7	48.6	9.4	.0	120.7	772.2	1399.0	8.4	53.7	10.7	.0	1.2	.0	.0	2.0	2.0	12.7	.0	12.8	.0	.0
150101	569.3	33.1	1.8	.0	713.4	2954.1	5848.8	.0	.0	3.4	.0	.0	.0	.0	.0	.8	.0	.0	11.1	.0	.0
150201	957.4	137.3	123.4	.8	573.0	770.8	4695.3	4.7	38.9	70.9	.0	1.8	.0	.0	.0	.7	5.9	.0	5.4	.8	.0
150202	781.8	75.3	48.5	.0	442.8	769.8	3550.9	6.8	36.7	4.9	.0	2.0	.0	.0	4.9	.7	10.4	.0	4.6	.0	.0
150203	1284.3	263.7	573.3	.3	589.0	1661.7	4791.9	3.1	27.0	8.7	.0	.0	.0	.0	.4	2.7	8.8	.0	12.6	.0	.0
150301	779.8	55.0	14.9	.0	748.8	1416.1	6196.0	3.9	15.1	13.7	2.3	1.5	.0	.0	1.4	.2	13.1	.0	10.2	.0	.0
151401	644.9	73.7	50.4	.0	519.1	879.6	4700.4	5.2	69.5	14.0	17.4	3.0	.0	.0	1.0	.0	8.8	.0	6.0	.0	.0
151601	828.4	62.0	34.0	.0	513.3	943.1	4419.5	.0	39.2	9.5	.0	.0	.0	.0	.0	1.0	9.4	.0	10.5	.0	.0
151602	511.1	7.3	592.1	1.1	374.9	477.4	4753.7	33.3	1.5	925.5	3.8	.0	.4	.7	1.6	.0	3.5	.1	5.5	.7	315.4
151701	688.9	61.9	16.8	.0	372.3	1391.0	3004.4	4.5	.0	3.4	2.6	.0	.0	.0	.0	.7	7.1	.0	9.1	.0	.0
151901	541.4	37.9	.0	.0	177.4	635.8	2155.9	2.8	11.7	.8	.0	.0	.0	.0	.0	.9	6.7	.0	2.5	.0	.0
152001	654.9	32.8	24.4	.0	84.7	1474.5	2191.2	1.3	.0	6.5	3.8	1.8	.0	.0	.0	.0	.0	.0	7.5	.0	.0
152801	857.0	283.5	27.2	3.7	359.2	2678.3	3707.9	3.0	1.1	5.4	12.4	.0	1.3	2.9	.1	5.8	3.5	.2	10.3	.6	254.5
153201	90.4	34.5	33.9	.0	1055.8	857.4	9343.3	5.9	.0	.4	.0	1.2	.0	.0	.0	.0	.0	.0	8.4	.0	.0
153401	490.7	48.2	17.1	.0	400.3	996.3	3685.8	.0	25.6	5.6	7.3	12.3	.4	1.0	.0	.0	1.7	.5	7.8	.3	277.4
153402	622.3	139.2	58.3	.5	589.2	572.5	4755.7	22.3	20.3	9.9	.0	.0	.0	.0	3.0	.9	2.6	.0	7.5	.3	206.8
153501	594.9	28.4	5.6	.0	159.0	664.8	2026.1	2.0	16.9	1.2	.0	1.2	.0	.0	.8	1.0	1.3	.0	3.6	.0	.0
153901	1208.8	24.5	.0	.0	179.4	1361.8	1585.2	8.7	.0	.8	.0	.0	.0	.0	.0	.2	11.3	.0	9.1	.0	.0
153902	1063.9	44.9	.0	.0	177.3	706.5	1801.6	2.3	.0	.0	.0	8.7	.0	.0	2.4	.7	1.0	.0	3.8	.0	.0
154601	821.6	295.7	711.0	4.7	1243.0	4424.6	13205.3	23.1	.1	11.3	.0	2.7	.0	.0	.0	.0	13.5	.5	25.3	.1	.0
154701	770.4	182.6	136.6	1.4	741.6	1445.3	15359.2	.0	.4	7.6	.0	3.3	.0	3.1	3.5	.0	2.9	.8	7.5	.6	564.0
154801	257.6	16.2	14.3	.0	1181.6	3005.4	4963.1	1.5	21.6	2.8	.0	5.0	.0	.0	.6	.2	1.8	.0	7.3	.0	.0
155101	721.9	31.9	25.2	.1	409.3	1207.8	3702.9	2.2	34.6	3.3	.8	5.1	.0	.0	.0	.0	.0	.0	7.5	.9	.0
155401	1781.5	85.5	227.8	.4	1147.4	2218.3	5957.5	19.1	5.8	36.9	.0	3.4	.0	.0	1.0	.7	15.4	.0	12.4	.0	.0
155402	397.4	121.7	95.7	.4	1294.4	2244.5	9271.9	12.0	101.1	19.7	13.9	.0	.3	.1	1.8	3.5	5.5	.0	15.4	.0	445.8
155403	1217.9	65.2	69.2	.0	993.8	1911.3	5692.8	5.2	15.3	4.1	.0	.3	.0	.0	.0	1.7	1.4	.0	9.1	.3	142.2
156001	446.9	105.6	127.6	.5	431.1	626.4	2750.8	4.5	9.1	14.6	.0	.0	.0	.0	3.3	1.8	2.4	.0	4.7	.3	214.7
156301	1384.9	15.6	7.1	.0	414.6	3324.5	1853.7	.0	88.9	1.8	.0	.0	.0	.0	.0	.8	8.0	.0	14.0	.0	.0
156302	1901.3	24.8	18.7	.0	221.4	8919.6	1826.8	3.3	5.6	98.3	.0	.1	.0	.0	6.6	.0	.0	.0	33.7	.0	.0
156601	421.8	49.1	13.2	.0	476.2	5242.9	2891.4	9.9	21.5	1.2	.0	1.6	.0	.0	.0	.8	4.6	.0	3.8	.0	.0
156901	421.4	48.2	6.5	.0	382.0	780.6	3410.0	2.6	24.2	.5	.0	3.4	.0	.0	.0	.0	1.3	.0	5.8	.0	.0
160101	565.3	30.5	6.5	.0	717.3	5627.3	3792.5	3.3	.0	2.6	.0	.0	.0	.0	.3	.5	9.1	.0	41.0	.0	.0
160102	1049.8	34.8	87.8	.0	814.8	8379.1	4433.6	15.3	73.1	4.9	1.1	2.7	.0	.0	1.8	.0	17.7	.0	10.2	.0	225.7
161003	355.6	26.3	30.4	.0	1094.1	21549.2	5137.2	.0	.0	1.6	.0	.0	.0	.0	.0	1.4	10.0	.0	34.0	.0	.0
161201	661.4	85.3	42.9	.0	463.7	1919.4	4559.4	7.0	63.4	10.4	.0	.0	.0	.0	.0	.0	28.6	.0	9.6	.0	.0
162401	663.6	118.0	31.7	.0	368.7	2850.4	5638.4	5.7	47.4	14.0	.0	.0	.0	.0	1.0	.0	24.0	.0	12.5	.0	.0
162402	586.9	169.4	140.1	.4	388.0	1016.6	3822.7	7.9	12.1	8.5	.0	.0	.0	.0	2.0	.0	8.5	.0	5.8	.0	.0
162403	528.7	135.4	99.1	.0	446.4	2872.6	5889.0	2.8	31.2	.4	.0	.0	.0	.0	.0	2.3	1.4	.0	11.4	.0	.0
162404	713.5	159.5	278.7	.0	712.4	2309.9	5214.7	13.0	25.8	16.9	3.8	.0	.0	.0	.0	.7	1.4	.0	7.1	.0	.0
162701	530.3	117.9	12.6	.0	1049.8	1312.5	9293.0	.9	.0	14.9	.0	.0	.0	.0	.8	.0	4.5	.0	10.6	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
163001	436.5	15.5	662.8	.0	731.5	732.2	5933.3	298.6	5.8	54.0	.0	1.8	.0	.0	.0	.0	.0	.0	7.1	.1	.0
163401	1790.6	6.2	1.7	.0	768.1	11464.0	1241.0	.0	58.6	9.7	.0	.0	.0	.0	.4	2.3	.0	.0	38.8	.0	1.8
163601	921.8	104.6	263.5	.0	634.6	3474.4	3518.7	26.3	17.5	243.6	3.4	4.9	.0	.0	.0	.8	1.3	.0	5.8	.0	.0
163602	1399.0	32.2	16.1	.0	578.8	4063.2	1824.8	.0	31.1	28.7	.0	.0	.0	.0	.0	1.9	5.1	.0	6.5	.0	.0
163801	774.6	73.3	218.9	.0	1178.6	5852.8	3903.2	12.0	24.0	28.4	.0	2.3	.0	.0	.0	.6	9.7	.0	21.8	.0	.0
164001	2029.1	21.7	7.4	.0	3253.0	18892.0	1326.6	4.7	11.5	20.2	.0	.0	.0	.0	.0	4.0	40.6	.0	63.4	.0	1024.6
164401	232.1	22.1	7.1	.0	149.3	2586.7	789.4	.0	20.7	2.9	.0	.0	.0	.0	.0	1.6	5.3	.0	3.8	.0	.0
164801	752.9	12.8	87.6	.0	697.3	6424.5	2985.3	13.8	36.1	10.6	.0	4.3	.0	.0	.0	.4	7.0	.0	29.1	.0	.0
165301	234.5	.0	1.7	.0	754.3	12913.4	3940.4	.0	20.9	3.4	.0	.0	.0	.0	.4	.4	12.7	.0	30.4	.0	.0
165701	1010.5	32.2	44.8	.0	1717.1	16104.0	4895.6	3.6	.0	13.9	.0	.0	.0	.0	.0	.7	12.7	.0	34.5	.0	43.9
165702	863.8	32.0	143.3	.0	746.6	5550.8	4544.3	1.6	79.7	19.8	.0	.0	.0	.0	.0	.0	.0	.0	19.4	.0	.0
166201	715.1	53.1	24.4	.0	446.8	3092.0	1632.5	1.3	11.5	6.4	.0	.8	.0	.0	.0	.3	1.4	.0	9.1	.0	.0
166301	534.5	99.9	155.0	.0	703.7	4640.0	4009.9	16.8	10.5	16.1	4.7	6.1	.0	1.0	1.0	.7	38.5	.0	33.2	.0	.0
166302	870.5	65.0	164.7	.0	859.5	7611.2	4024.0	58.3	.0	2.7	.0	4.0	.0	.0	.0	.1	.0	.0	39.3	.0	22.4
170201	573.8	85.9	72.9	.0	684.2	4037.1	3599.2	11.8	18.5	204.7	.0	3.2	.0	1.0	1.0	.2	12.5	.0	17.2	.0	.0
170202	988.9	88.5	201.8	.0	1151.4	5807.5	5309.3	15.9	37.7	6.9	.0	2.2	.0	.6	.6	1.3	6.7	.0	18.8	.0	.0
170203	523.9	64.2	28.7	.0	643.6	3851.9	6526.1	.0	5.3	3.4	.0	.0	.0	.0	.0	1.3	2.8	.0	15.6	.0	.0
170301	510.6	95.1	123.5	.0	472.9	554.2	5995.7	7.4	6.8	1.0	.0	3.0	.0	.0	.0	.3	1.4	.0	5.0	.0	.0
171401	618.9	63.8	89.6	.0	505.7	2162.0	2887.6	8.1	.0	37.2	.0	.0	.0	.0	.0	.0	1.3	.0	24.9	.0	.0
171402	1377.9	89.6	39.4	.0	147.2	11816.3	3210.7	4.8	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	56.4	.0	.0
171701	421.8	67.2	30.0	.0	965.8	6036.0	6105.4	.0	137.7	42.2	.0	.0	.0	.0	.0	.0	9.3	.0	47.0	.0	88.5
171801	512.6	52.3	53.7	.0	636.4	4399.4	4221.3	3.2	37.8	3.4	.0	.0	.0	1.6	1.6	.0	8.9	.0	15.6	.0	.0
171901	587.0	70.4	22.4	.0	938.8	6606.7	3664.7	6.2	6.2	4.2	.0	3.7	.0	.0	.0	1.7	1.3	.0	32.3	.0	.0
172101	333.3	53.1	48.7	.0	877.6	4730.5	4511.1	8.3	24.8	6.1	.5	.0	.0	1.1	1.1	.0	1.4	.0	18.4	.0	333.7
172102	746.5	81.8	177.4	.0	1056.8	3859.9	6263.4	5.6	1045.8	513.0	46.5	6.2	.0	.0	.0	2.9	18.9	.0	15.8	.0	.0
172401	711.7	641.6	41.2	.0	658.8	2439.8	14091.0	9.0	5.7	42.3	.0	.0	.0	.0	.0	.0	.0	.0	9.4	.0	.0
172402	463.5	92.2	67.3	.0	512.3	2294.8	4346.1	10.0	15.7	29.6	.0	5.4	.0	.7	.0	.0	17.8	.0	9.5	.0	.0
172901	658.0	36.2	93.2	.0	1172.6	5097.9	5062.7	11.9	.0	6.3	.0	.0	.0	.0	.0	1.5	5.3	.0	17.6	.0	203.4
172902	500.2	59.2	530.2	.0	2110.6	10792.0	10256.2	40.5	72.1	13.2	.0	3.9	.0	.0	.0	.0	37.8	.0	70.5	.0	2127.7
175001	634.1	169.0	161.2	.7	1415.1	4121.6	14855.9	.7	10.2	16.1	.0	.0	.0	.0	.0	.0	7.8	.0	29.3	.0	37.7
180401	845.9	154.0	153.7	1.6	1190.7	10105.3	7291.1	.0	1.9	6.4	.0	.0	.0	.0	.0	.3	19.2	.0	35.7	.3	659.6
180402	1125.3	83.7	71.4	.0	1368.8	3505.6	8375.1	.8	7.0	10.3	8.2	3.8	.0	.0	1.9	.0	7.6	.0	17.7	.0	686.8
180403	383.5	64.9	36.5	.0	469.5	1259.1	3541.9	14.1	.0	6.9	.0	.0	.0	.0	2.8	3.8	2.3	.0	7.1	.3	.0
180501	347.7	26.3	14.9	.0	221.7	1434.3	1000.2	5.8	13.6	9.1	.0	1.0	.0	.0	.8	.0	15.4	.0	3.8	.0	.0
180502	390.2	30.5	17.9	.0	1729.2	11665.3	1253.1	.0	13.2	27.9	.0	.0	.0	.0	.0	.0	11.2	.0	78.6	.0	.0
181201	462.4	95.8	143.4	.0	661.6	877.8	6945.9	8.2	13.2	27.9	.0	.0	.0	.0	.0	.0	.1	.0	7.3	.0	.0
181202	512.0	185.1	69.0	.0	215.0	4060.2	7816.5	7.6	.0	.8	.0	.0	.0	1.8	.0	.3	30.0	.0	16.9	.0	.0
181301	384.5	37.8	23.4	.0	665.9	3614.3	5647.5	1.9	.0	10.2	.0	.0	.0	.0	.0	.0	.0	.0	22.5	.0	.0
181501	640.1	48.0	23.4	.0	1018.6	1410.1	9274.9	2.5	6.2	16.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	.4	.0
181801	640.1	6.3	9.0	.0	669.1	1986.8	6945.9	6.3	.0	14.8	2.9	.0	.0	.0	.0	1.8	.0	.0	13.5	1.6	195.8
182001	224.3	38.9	1.8	1.2	205.7	191.5	2125.7	1.2	27.7	31.6	8.5	.3	3.0	2.9	1.9	.0	1.0	.0	3.5	.0	.0
182002	154.9	40.1	10.1	.0	1063.9	7348.5	4270.6	9.7	28.3	3.6	.0	.0	.0	.0	.6	.0	15.2	.0	1.7	.0	124.2
182401	649.8	42.5	65.3	.0	1781.5	10155.6	9386.6	7.5	16.2	81.4	.0	1.4	.0	.0	.0	.1	23.8	.0	29.3	.0	138.7
182801	1438.3	19.2	90.6	.0	511.9	4702.4	3270.1	9.2	23.4	2.8	.0	.4	.0	.0	.0	.0	.0	.0	26.0	.0	1238.0
183201	548.0	50.2	202.0	.0	442.0	2144.9	2593.8	1.9	9.6	13.5	.0	.0	.0	.0	.0	3.1	9.8	.0	5.7	.0	.0
183301	511.5	104.8	87.9	.0	445.6	2409.5	2386.4	5.4	47.9	17.1	.0	2.0	.0	.0	.0	1.1	1.3	.0	6.2	.0	.0
183302	909.9	104.8	117.8	.0	228.8	2304.9	1054.8	4.6	17.9	.8	.0	.1	.0	.0	.0	.0	.4	.0	33.8	.0	.0
183303	340.3	24.8	20.5	.0	547.5	7832.6	2128.7	.3	.0	6.2	.0	.6	.0	.0	.0	.0	3.3	.0	21.9	.0	.0
184001	365.1	.0	5.4	.0	1591.3	8542.2	3141.3	5.2	52.8	23.4	.0	.0	.0	1.0	.0	.6	42.9	.0	33.8	.0	.0
184101	439.2	8.5	176.7	.0	2688.4	18298.2	3886.1	6.9	12.1	91.5	.0	2.6	.0	.0	.0	.0	.0	.0	46.1	1.2	.0
184102	585.7	64.3	67.2	.0	1191.7	6470.8	2318.0	8.9	24.6	3.7	2.8	.0	.0	.0	.0	.0	.0	.0	20.2	.0	.0
184103	571.7	8.6	19.6	.0	572.6	6815.0	1216.9	2.0	37.4	36.9	.0	.0	.0	.0	.6	.3	.0	.0	15.0	.0	224.0
184104	399.8	69.3	44.8	.0	727.9	3484.5	2886.6	11.8	8.9	41.8	.0	.0	.0	.0	.4	.2	15.4	.0	15.7	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
185001	977.8	38.4	16.8	.0	1093.1	18710.8	3317.4	5.8	12.1	4.9	.0	.0	.0	.0	5.1	2.5	15.6	.0	116.4	.0	323.5
185101	849.3	32.9	17.9	.0	625.8	1273.2	4060.2	3.1	.0	1.3	.0	.0	.0	.0	.0	1.2	3.5	.0	5.3	.0	.0
185401	402.6	14.6	210.6	.0	365.2	1343.7	1860.0	6.8	41.9	75.5	.2	2.6	.0	.0	.0	.0	1.1	.0	4.4	.8	.0
185701	2462.9	60.3	21.5	.0	3670.7	6517.1	33315.1	8.5	.0	5.8	2.3	.0	.0	.0	.7	1.7	9.3	.0	33.4	.0	954.0
186001	888.5	37.8	805.7	.0	954.3	1053.8	7211.6	10.9	.1	.6	.0	3.9	.0	.0	.0	.0	.0	.0	10.6	.1	166.4
186002	835.3	67.4	105.8	.0	1057.8	1443.3	8218.1	10.2	11.8	10.2	.0	.1	.0	.0	.0	.3	.0	.0	11.8	.0	.0
186003	596.8	38.4	15.0	.0	1517.8	1141.4	1474.1	10.2	11.7	7.3	.0	6.1	.0	.0	.2	.0	1.3	.0	10.0	.0	.0
186501	456.2	47.0	28.0	.0	552.8	671.4	4525.2	5.8	32.5	6.8	.0	.0	.0	.0	3.0	.4	7.4	.0	4.8	.0	.0
186502	236.7	60.1	34.0	.0	487.6	617.3	4201.8	.5	147.4	10.1	.0	.0	.0	.0	.0	1.7	8.1	.0	4.0	.0	.0
186601	1072.9	36.2	123.0	.0	630.0	1836.9	4416.5	4.0	37.9	15.8	.0	.0	.0	.0	.0	.0	3.1	.4	5.4	.0	192.0
186602	831.6	1.3	35.8	.0	654.9	876.6	5140.2	1.0	22.3	5.6	.0	.0	.0	.0	.0	.0	.6	.0	4.6	.1	231.5
186603	1831.8	32.2	102.2	.0	597.5	3065.8	5450.2	3.4	7.2	3.4	.0	.0	.0	.0	1.6	.5	13.6	.0	12.4	.0	656.1
186604	1170.6	25.9	75.2	.0	532.3	1004.3	3896.2	3.4	68.4	7.3	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.1	.0
186801	1043.7	30.3	24.3	.0	722.8	545.8	6097.4	5.5	82.0	13.7	.0	2.7	.0	.0	2.1	.0	8.6	.0	7.2	.0	.0
186802	1504.7	29.0	31.9	.0	751.2	1278.3	4668.1	6.2	64.4	8.5	.0	.0	.0	.0	.0	.6	.0	.0	9.5	.0	.0
187001	877.9	12.4	53.5	.0	893.0	3316.4	5134.2	2.6	16.5	2.8	.0	.0	.0	.0	.0	.0	.0	.0	8.5	.0	.0
187002	1417.2	36.2	12.5	.0	785.7	1696.0	5235.8	0	62.8	9.1	.0	.0	.0	.0	1.0	2.3	7.3	.0	8.4	.0	74.8
187003	1547.0	25.9	35.8	.0	923.3	2006.0	5861.9	2.7	8.6	3.3	.0	.0	.0	.0	.0	.0	.0	.0	11.6	.0	.0
187004	1140.4	38.9	15.0	.0	552.8	1265.2	4145.8	3.9	.0	21.4	.0	2.2	.0	.0	2.2	.0	2.9	.0	8.2	.0	12.7
187005	753.8	22.9	10.8	.0	690.5	1259.1	4589.6	4.6	9.9	40.4	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	13.0
187006	1146.4	40.2	7.1	.0	2234.4	7732.9	7870.5	0	14.0	8.1	.0	.0	.0	.0	.0	.0	.0	.0	19.1	.0	.0
187101	843.7	40.9	13.2	.0	838.9	2214.3	6900.6	1.3	12.9	40.4	.0	.0	.0	.0	.0	.5	8.0	.0	10.0	.0	.0
187102	751.6	20.1	7.4	.0	1013.5	2380.4	6385.2	8.7	35.7	4.9	.0	.0	.0	.0	2.3	.1	25.7	.0	10.1	.0	109.6
187103	301.4	25.9	14.4	.0	1278.3	2339.1	10346.8	.0	12.2	1.2	.0	2.8	.0	.0	.0	.0	6.5	.0	12.9	.1	364.6
190101	321.0	26.5	46.7	.0	1517.8	6800.9	3969.6	7.5	87.4	37.4	2.3	.0	.0	.0	3.7	.4	15.0	.0	25.6	.0	71.3
190201	588.8	30.5	5.6	.0	312.6	1179.6	2878.6	1.6	16.0	1.9	.0	.6	.0	.0	.0	.1	.0	.0	4.6	.0	.0
190202	879.6	30.2	3.7	.0	279.0	654.9	2528.3	3.9	26.5	3.0	1.7	6.1	.0	.0	2.6	.0	10.0	.0	3.3	.0	.0
191101	791.5	12.7	15.0	.0	236.5	752.9	2108.6	2.1	31.2	1.6	.0	3.2	.0	.0	.0	.0	1.3	.0	4.2	.0	.0
191701	1532.9	3.5	9.1	.0	765.3	2771.9	3026.5	4.9	66.8	2.9	.0	.0	.0	.0	.0	1.2	13.5	.0	7.8	.0	133.8
192201	1676.8	1374.9	4373.2	61.5	2349.2	18358.6	2375.2	5.3	6.8	3.3	.0	.2	.0	.0	.0	.0	.0	.0	102.2	1.2	1219.9
192401	1372.9	40.7	59.7	.0	1291.3	9230.6	1753.3	667.5	6.8	35.1	.0	9.6	1.8	1.5	1.8	.9	24.5	.0	189.0	1.2	3081.9
192402	585.7	20.1	54.1	.0	8329.8	32691.1	55287.0	8.7	6.0	4.4	.0	.0	.0	.0	6.1	1.6	26.9	.0	37.8	.0	.0
192403	960.4	14.8	91.5	.0	1156.5	9216.5	2534.4	5.4	23.1	97.3	.0	.0	.0	.0	.0	.0	7.6	.0	30.0	.0	21.7
192404	889.9	103.8	123.2	.0	2077.4	12279.3	2802.1	1.8	25.6	1.8	.0	.0	.0	.0	.0	.0	.0	.0	17.6	.0	4.4
193101	366.9	.0	53.5	.0	1338.6	3761.3	2003.9	7.9	153.4	36.6	12.6	4.4	.0	.0	.6	.0	22.4	.0	17.6	.0	.0
193102	1519.8	34.6	231.5	.0	389.7	1725.1	2024.1	.3	560.1	20.4	.0	.0	.0	.0	1.4	.7	23.1	.0	59.2	.0	232.0
194101	822.5	1.3	34.0	.0	1693.9	15943.0	4009.9	128.2	92.1	18.8	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.1	.0
200101	380.0	19.1	16.1	.0	429.5	1739.2	2880.6	3.4	6.6	573.7	.0	3.7	.0	.0	.0	.0	.0	.0	4.4	.0	.0
200102	440.2	38.9	147.9	.0	387.7	573.7	3724.0	1.7	38.2	101.5	.0	1.7	.0	.0	.0	.0	.0	.0	4.4	.0	.0
200201	777.3	43.0	63.5	.0	696.3	1798.6	6349.0	7.2	7.2	11.1	.0	5.5	.0	.0	.3	.0	.0	.0	9.1	.0	.0
200301	501.1	16.2	67.7	.0	2072.4	2488.1	7502.5	5.2	57.5	13.9	.0	.0	.0	.0	.2	.1	32.9	.0	45.4	.0	.0
200302	2030.1	69.1	203.4	.0	2435.7	3184.6	3423.1	10.4	39.7	9.4	.0	.0	.0	.0	.0	.0	.0	.0	18.4	.8	.0
201101	3782.4	36.8	13.1	.0	2205.2	824.2	3507.7	17.4	8.5	31.1	.0	.0	.0	.0	.0	.6	28.1	.0	9.1	.0	.0
201102	1365.8	15.5	96.5	.0	5440.1	13638.1	2192.2	5.7	13.5	15.7	8.2	.0	.0	.0	3.0	2.1	15.6	.0	34.8	.0	1267.2
201201	758.5	82.4	74.8	.0	884.5	6423.5	1290.3	3.9	127.8	7.0	.0	4.4	.0	.0	.0	.0	.0	.0	6.1	.0	409.8
201202	403.5	56.1	29.9	.0	957.8	3615.3	2393.5	2.3	14.9	85.9	1.1	.0	.0	.0	.0	1.6	8.1	.0	16.0	.0	.0
201601	903.2	75.5	7.4	.0	513.7	1744.3	2150.9	7.3	22.6	37.7	.0	.0	.0	.0	1.0	1.1	7.4	.0	10.0	.0	.0
201901	1037.7	20.4	42.6	.0	699.4	777.7	6264.5	5.0	8.3	32.1	.0	7.4	.0	.0	.0	.6	10.8	.0	9.3	.0	.0
201902	1441.3	29.3	71.6	.0	1044.7	1554.0	12712.1	2.8	.0	7.6	.0	12.6	.0	1.3	.7	.0	4.4	.3	32.5	.6	1085.0
202001	506.2	29.9	26.8	.0	1264.2	8483.8	8030.9	1.6	5.9	18.3	.0	.0	.0	.0	.0	1.7	1.5	.6	13.0	.0	443.0
202101	2574.6	35.8	53.7	.0	1442.3	2981.3	10709.2	1.6	32.6	12.7	.0	.0	.0	.0	.0	1.6	14.5	.0	14.0	.0	168.9
202201	139.6	.0	25.4	.0	1804.7	8179.8	1584.2	9.5	107.8	10.5	.0	6.1	.3	.0	.0	.0	.0	.0	12.7	.1	370.4
202301	314.9	14.4	35.8	.0	881.8	3277.2	7428.0	14.6	15.4	9.1	.0	1.5	.0	.0	.0	5.4	.0	.0	22.8	.0	.0
202302	138.9	32.2	10.7	.0	1064.9	3392.9	9116.9	.0	58.6	8.1	.0	.0	.0	.0	.0	.1	12.3	.0	18.7	.0	.0
202401	1344.7	16.1	14.9	.0	1184.5	2764.9	10316.6	.0	12.1	3.4	.0	.0	.0	.0	.0	.0	.0	.0	18.8	.0	.0
202801	1149.4	56.3	35.5	.0	762.6	1933.5	6752.6	7.3	9.9	4.9	.0	.0	.0	.0	2.5	.7	14.0	.0	18.0	.0	.0
202802	975.7	43.0	3.7	.0	1486.6	3803.6	5797.4	3.4	8.3	2.7	.0	2.0	.0	.0	.0	2.5	20.6	.0	12.6	.0	.0
203001	694.1	70.2	16.1	.0	5082.8	10628.6	5488.4	2.6	.0	1.9	.0	6.6	.0	.0	2.2	.0	104.4	.0	182.2	.0	.0
							2494.1	.0	11.0	8.5	.0	.3	.0	.0	.7	1.0	9.8	.0	6.5	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
10101	1024.6	129.0	237.2	.0	1146.4	2981.3	3201.7	.0	121.1	9.9	.0	.0	.0	.0	.0	4.6	8.5	.0	19.6	.0	.0
10201	1161.5	63.8	12.3	.0	789.1	4977.1	5587.1	8.6	.0	1.9	.0	5.1	.0	.0	.0	4.0	24.8	.0	30.2	.0	.0
10301	1299.4	135.1	51.8	.0	1371.9	10397.1	3115.1	8.1	.0	9.1	.0	.0	.0	1.7	.0	3.0	21.2	.0	34.5	.0	147.2
10302	1046.8	144.5	111.2	.0	980.1	2592.7	6756.6	16.7	.0	22.6	.0	10.3	.0	.0	.0	2.7	7.0	.0	16.5	.0	.0
10501	2808.1	862.4	956.7	14.8	2208.3	6114.5	11876.7	46.0	9.0	11.5	2.1	6.1	.1	.5	4.2	5.8	28.0	.0	41.6	1.3	1322.5
11501	1288.3	54.7	.0	.0	1384.9	3377.8	13346.2	46.9	.0	7.5	.0	3.0	.0	.0	.0	5.8	11.3	.0	23.7	.0	.0
11901	2398.5	633.1	703.5	10.9	1601.3	4107.5	3018.5	3.8	50.7	12.0	.0	3.1	.0	.0	.0	4.8	16.6	.0	26.6	.0	49.1
12201	1742.3	40.5	25.4	.0	3441.2	13758.9	8212.0	6.8	.4	7.6	.0	3.3	.0	.0	.0	2.7	38.9	.0	70.2	1.3	1288.3
12301	919.6	63.3	175.5	.0	1221.9	4209.2	3375.8	181.0	10.5	15.9	.0	.0	.0	.0	.0	5.8	8.6	.0	25.4	.0	.0
12401	1162.5	47.1	7.9	.0	807.5	7619.2	3277.2	17.8	.0	10.7	.0	.1	.0	.0	.0	.0	25.5	.0	33.1	.0	.0
12501	1228.9	335.3	7.8	.0	888.0	9884.8	1547.0	6.2	.0	3.8	.0	3.0	.0	.0	.0	7.5	26.6	.0	37.1	1.2	.0
12801	4361.2	5.3	60.7	.0	2756.8	18831.6	19123.5	6.4	23.0	1.5	.0	.0	.0	.0	.0	7.4	4.2	.0	52.9	1.1	1743.3
13801	425.9	49.5	27.7	.0	1236.9	3962.6	3258.0	4.4	8.2	5.2	.0	.1	.0	.0	.0	.0	7.8	.0	23.5	.0	709.4
21301	5407.4	2.7	137.0	.0	3331.5	31141.1	14121.2	157.9	.0	3.8	.0	.0	.1	.0	2.9	5.2	.0	.0	47.3	2.1	774.6
21501	1906.3	2651.1	202.7	.1	1719.1	8109.4	14392.9	152.3	.0	6.1	.0	.2	.2	.6	6.4	.0	40.5	.0	25.7	.0	.0
21502	181.1	1899.3	60.6	.0	1066.9	4217.2	10256.2	238.4	.0	25.0	.0	1.4	.8	.0	.0	3.5	31.1	.0	26.8	.2	.0
21601	2674.4	96.0	5.5	.0	1127.3	4224.3	10145.5	58.1	8.6	9.9	.0	4.1	.0	.0	.0	8.8	39.8	.0	71.7	.0	.0
21801	1627.5	103.0	7.9	.0	2500.1	21146.6	6942.8	3.9	.0	7.6	.0	.1	.0	.0	.0	1.2	17.0	.0	26.0	.0	.0
21901	1567.1	153.5	78.3	.0	358.8	4828.2	1249.1	12.2	.0	8.4	.0	2.6	.0	.0	.0	1.1	11.3	.0	41.5	.0	.0
21902	1625.5	105.1	69.6	.0	335.7	5421.0	1257.1	17.8	13.2	8.4	.0	.0	.0	.0	.0	1.1	10.0	.0	26.0	.0	.0
22001	1008.5	.0	76.3	.0	624.5	629.8	1327.6	12.2	2885.6	78.8	.0	1.2	.0	.0	.0	.0	22.6	.0	61.9	.0	.0
22002	2768.9	.0	25.4	.0	1611.4	33737.9	3956.6	.0	173.9	12.1	.0	.0	.0	.0	.0	9.1	21.2	.0	215.8	.0	.0
22101	1650.7	88.6	52.0	.0	681.9	4428.6	2262.6	8.2	3.8	6.6	.0	.1	.0	.0	.0	3.8	8.6	.0	18.2	.0	.0
22601	1254.1	86.5	237.5	.0	606.3	6565.4	1477.5	14.6	.0	5.3	.0	.0	.0	.0	.0	3.9	11.0	.0	23.5	.0	.0
22602	1937.5	2246.5	202.2	.0	542.3	2662.6	29238.8	33.6	.0	7.6	.0	.0	.0	.0	.0	.0	12.4	.0	10.9	.0	.0
22603	1990.9	196.5	299.7	.0	550.7	4125.6	1766.4	4.1	30.1	30.4	.0	.0	.0	.0	.0	6.3	12.4	.0	17.1	.0	.0
22701	1058.8	243.7	331.2	.0	524.5	1995.9	1517.8	56.6	120.2	32.7	.0	4.3	.0	.0	.0	9.3	12.8	.0	11.2	.0	.0
22702	1634.6	383.2	174.9	.0	843.7	3874.0	1730.2	12.4	28.1	122.2	.0	3.3	.0	.0	.0	2.0	12.5	.0	11.2	.0	.0
22801	417.0	5.8	25.5	.0	530.3	2689.4	1371.9	.0	6.0	15.9	.0	.0	.0	.0	.0	2.1	20.2	.0	19.6	1.3	.0
22802	1126.3	111.8	2904.8	.0	649.4	2742.7	2697.4	85.4	55.7	2933.9	.0	9.8	.0	.0	.0	5.1	8.2	.0	10.2	.0	.0
22901	1134.3	55.5	202.2	.0	612.6	3348.6	1694.9	7.3	196.5	30.3	.0	.1	.0	.0	.0	4.5	25.5	.0	15.9	.0	.0
23001	1013.5	47.3	158.0	.0	600.0	3017.5	1597.3	44.6	12.4	37.9	.0	.0	.0	.0	.0	3.8	12.8	.0	13.9	.0	.0
23101	1267.2	.0	.0	.0	934.0	7491.4	3306.4	4.9	.0	14.4	.0	.0	.2	.0	.0	9.8	31.2	.0	39.5	.0	.0
23102	961.4	71.9	264.0	.0	668.9	3055.7	1479.6	18.5	36.1	32.6	.0	1.6	.0	.0	.0	11.2	14.2	.0	12.2	.0	.0
23103																					
23104	1715.1	278.2	264.0	.0	265.6	1859.0	3377.8	111.0	10.1	18.9	.0	.0	.0	.0	.0	1.8	21.2	.0	13.4	.0	.0
23301	1211.9	55.6	138.2	.0	587.4	10840.0	1265.2	39.0	23.1	9.9	.0	.1	.0	.0	.0	1.6	11.4	.0	23.1	.0	.0
23501	1679.8	218.4	69.6	.0	196.4	1394.0	6049.1	9.6	.0	13.7	.0	.1	.0	.0	.0	6.6	12.8	.0	9.4	.0	.0
23601	1194.7	112.1	166.0	.0	754.5	3959.6	1462.4	8.7	57.7	28.7	.0	3.5	.0	.0	.0	1.6	14.0	.0	15.4	.0	68.7
23602	1886.2	203.9	431.9	.0	713.0	4398.4	1423.2	140.9	89.0	9.2	.0	.0	.0	.0	.0	.9	8.6	.0	13.7	.0	.0
23701	1396.0	88.4	184.5	.0	511.4	3152.4	1689.9	65.4	102.9	25.1	.0	.0	.0	.0	.0	9.6	19.8	.0	16.8	.0	.0
23702	1207.8	11.5	25.4	.0	376.4	4598.7	1104.1	.0	92.8	6.8	.0	10.5	.0	.0	.0	8.9	17.0	.0	19.6	.0	.0
23801	1856.0	410.2	140.3	.0	213.7	1257.1	1270.2	159.5	8.6	109.9	.0	.1	.2	.0	.0	4.1	16.4	.0	10.2	.0	.0
23802	2852.5	154.6	211.1	.0	316.3	2532.4	1413.1	6.5	15.6	12.2	.0	1.2	.0	.0	.0	.9	10.0	.0	12.2	.0	.0
23803	2355.2	327.7	96.1	.0	190.0	1349.7	1254.1	13.0	12.4	137.9	.0	.0	.0	.0	.0	.0	11.4	.0	8.2	.0	.0
23804	2309.9	204.1	87.4	.0	221.8	1614.4	1356.8	39.6	13.2	20.5	.0	5.7	.0	.0	.0	3.0	15.6	.0	9.7	.0	.0
24005	2216.3	121.6	122.7	.0	228.1	4439.7	1426.2	.0	5.5	3.8	.0	.0	.0	.0	.0	8.9	8.6	.0	21.4	.0	.0
23805	1167.5	.0	149.0	.0	439.4	4200.1	1366.0	.0	21.5	7.5	.0	.0	.0	.0	.0	6.0	14.2	.0	19.8	.0	.0
30101	1405.1	31.3	16.7	.0	462.4	2954.1	1451.4	6.5	.0	11.6	.0	.0	.0	.0	.0	.0	15.6	.0	20.7	.0	.0
30102	1336.6	37.4	43.3	.0	607.4	3281.2	1617.4	11.4	33.9	15.2	.0	.0	.0	.0	.0	1.3	14.2	.0	14.2	.0	.0
30103	1469.5	79.4	96.0	.0	384.0	3386.9	1202.8	31.5	1.6	6.0	.0	.0	.9	.0	.0	.4	9.9	.0	27.1	.0	.0
30104	1041.7	23.0	34.4	.0	784.1	4328.0	1826.8	19.5	.0	4.6	.0	.0	.0	.0	.0	1.9	11.4	.0	18.5	.0	.0
30105	1445.3	14.1	16.6	.0	782.4	5629.4	1904.3	7.3	.0	4.5	.0	.0	.0	.0	.0	5.3	8.6	.0	28.3	.0	.0
40101	500.1	13.3	9.2	.0	656.9	4964.1	1020.6	.9	52.1	4.4	.0	12.5	.0	.0	.0	.0	18.6	.0	31.6	.0	541.4

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
40201	4940.9	22.9	.1	.0	1939.5	6827.1	11192.3	4.4	77.0	10.2	.0	4.5	.0	.0	.0	3.7	35.7	.0	31.3	.0	1167.5
41201	533.1	3.9	.0	.0	9907.0	40451.2	4798.0	.0	46.1	7.6	.0	.0	.0	.0	.0	5.6	181.3	.0	566.9	1.5	.0
41202	16-b-6	55.4	.0	.0	1210.8	9598.0	8641.1	3.4	2.4	5.3	.0	.0	.2	.0	.0	.4	17.0	.0	81.6	.0	340.2
41203	684.9	.0	.0	.0	605.9	5007.3	2572.6	2.4	92.2	36.7	.0	.0	.0	1.8	.0	2.1	17.0	.0	31.7	.0	.0
41401	2178.1	84.6	533	.0	499.0	5872.9	1406.1	5.3	23.1	25.1	.0	.0	.0	1.9	.0	1.9	24.9	.0	23.1	1.3	.0
41501	1662.7	78.0	361.2	.0	536.6	3561.0	1489.6	15.4	74.4	8.4	.0	.0	.0	.0	.0	.0	256.3	.0	21.4	.0	.0
41701	592.3	.0	7.8	.0	610.6	4904.7	1004.8	.8	39.9	9.8	.0	.0	.0	.0	.0	1.7	17.0	.0	31.7	.0	.0
41801	1033.7	78.6	122.3	.0	898.4	4158.9	1301.4	6.4	.0	.0	.0	.0	.0	.0	.0	4.3	16.9	.0	27.7	.0	.0
41901	2591.7	194.4	25.5	.0	776.0	19576.4	2334.1	68.6	.0	16.6	.0	5.3	.0	.0	.0	3.0	22.6	.0	29.4	.0	154.1
42001	4579.6	302.1	7.8	.0	1754.3	4576.6	2688.4	41.9	.0	2.9	.0	1.8	1.7	.0	.6	1.7	46.7	.0	37.1	.0	543.0
42002	4087.4	87.7	83.0	.0	143.1	4020.0	3000.4	6.2	.0	.0	.0	.0	.0	.0	.0	.9	40.5	.0	31.9	.0	.0
42301	2400.5	3044.7	76.0	.0	822.9	13819.2	1721.1	31.5	1.6	3.7	.0	1.4	.0	.0	.0	5.8	46.6	.0	29.9	.0	.0
42501	1934.5	5.1	69.5	.0	747.5	5453.2	1227.9	3.0	21.5	12.9	.0	2.6	.0	.0	.0	3.3	58.0	.0	24.0	.0	.0
42601	4445.7	.0	7.8	.0	2798.1	9978.4	4127.7	27.3	59.8	24.3	.0	1.5	.0	.0	.0	4.6	415.8	.0	80.7	.0	145.4
42602	1908.3	228.9	52.0	.0	700.8	5047.6	5984.6	7.1	.0	8.4	.0	.0	.0	.0	.0	8	36.2	.0	22.2	.0	.0
42701	4016.9	3.2	.0	.0	2064.3	7681.6	18761.2	34.8	.9	.0	.0	1.5	.0	.0	.0	9.5	151.4	.0	43.5	.0	668.4
42702	3849.9	.0	23.3	.0	1110.2	7005.2	13688.4	8.2	.0	6.8	.0	.0	.0	.0	.0	6.7	163.4	.0	40.9	.0	.0
42801	2988.3	14.7	184.8	.0	315.7	4446.7	1263.2	24.4	10.9	5.1	.0	.0	.0	.0	.0	1.6	12.8	.0	120.5	.0	.0
42802	2809.1	.0	184.1	.0	1747.3	20764.1	3779.4	338.8	17.7	6.0	.0	.0	.0	.0	1.6	1.1	83.0	.0	22.2	.0	.0
43001	2389.6	.0	7.8	.0	768.5	5972.6	1140.4	10.6	21.3	10.6	.0	.0	.0	.0	.0	3.0	28.3	.0	22.2	.0	.0
43002	2071.4	.0	7.8	.0	850.3	17110.5	1225.9	4.8	79.0	75.0	.0	.0	.0	.0	.0	8.4	9.9	.0	45.2	.0	34.2
43701	1928.2	.0	25.4	.0	382.5	19344.9	1007.5	4.8	2.4	29.5	.0	.0	.0	.0	.0	1.8	15.6	.0	101.1	.0	651.8
50101	202.4	31.8	.0	.0	3253.0	19767.7	3745.2	.0	8.2	8.6	.0	4.9	.0	1.9	.0	7	31.1	.0	186.2	.0	.0
50102	235.1	5.9	.0	.0	392.0	3085.9	1037.7	1.6	6.0	9.2	.0	1.6	.0	1.6	.0	10.1	10.0	.0	23.1	.0	.0
50201	351.7	.0	.0	.0	595.3	4789.9	992.3	1.6	9.3	6.7	.0	.0	.0	.0	.0	3.2	16.6	.0	31.9	.0	.0
50202	3752.1	20.6	40.8	.0	3232.9	26682.3	2866.5	188.3	20.5	15.0	.0	.0	.0	.0	.0	4.5	56.0	.0	200.4	1.3	964.1
51101	3413.0	.0	7.8	.0	1057.8	8650.9	6497.0	.0	.0	2.3	.0	.0	.0	.0	.0	8.5	12.8	.0	26.8	.0	124.8
51102	2597.8	22.0	9.2	.0	2445.8	17885.5	2385.4	.0	34.3	6.8	.0	.0	.0	1.8	.0	1.8	38.8	.0	178.5	.0	539.6
51701	1307.4	22.9	.0	.0	493.0	2156.9	1855.0	.0	.0	9.4	.0	.0	.0	.0	.0	.3	34.2	.0	14.2	.0	.0
52001	3642.5	.0	7.9	.0	2829.3	10437.4	6536.2	20.3	.1	1.5	.0	.0	.0	.0	.0	.0	93.5	.0	71.7	.0	.0
52002	1752.3	5.9	78.5	.0	581.1	4877.5	1133.3	4.9	40.1	2.3	.0	.0	.0	.0	.0	2.6	34.0	.0	34.9	.0	.0
52802	1607.4	31.3	299.7	.0	632.7	6690.2	1762.4	46.3	6.3	1.6	.0	1.7	.0	.0	.0	.0	35.4	.0	29.9	.0	.0
52803	1160.5	21.8	35.6	.0	5340.5	46812.3	3622.4	26.2	8.4	474.9	4.5	2.5	.0	.3	.9	4.8	51.3	.0	130.4	.8	1724.1
52804	974.7	22.3	78.5	.0	265.6	2307.9	1061.9	9.0	.0	8.4	.0	.0	.0	.0	.0	.1	25.2	.0	14.8	.0	.0
52901	907.2	42.5	51.8	.0	452.0	3128.2	948.4	2.4	.0	.8	.0	.0	.0	.0	.0	4.8	17.0	.0	15.3	.0	.0
52902	869.0	38.1	51.8	.0	409.1	3047.7	988.9	.8	.0	10.6	.0	.0	.0	.0	.0	4.2	17.0	.0	15.6	.0	.0
53201	1208.8	14.1	43.2	.0	580.6	5796.4	1011.5	.0	.1	122.7	.0	5.6	.0	.0	.0	6.8	25.5	.0	39.2	.0	.0
53301	2843.1	121.6	60.9	.0	328.9	2140.8	1501.7	.0	72.2	190.9	.0	.0	.0	.0	.0	9.2	14.2	.0	12.5	.0	.0
53302	659.1	30.9	27.6	.0	319.3	2331.1	4481.9	10.6	14.9	7.6	.0	1.7	1.5	1.8	.0	1.1	12.4	.0	11.4	.0	171.5
53401	1240.0	31.6	27.7	.0	696.7	6091.3	1993.9	3.5	6.6	2.8	.0	.0	.0	.0	.0	1.2	31.1	.0	40.3	.0	273.7
53801	1971.7	.0	5.6	.0	454.5	5577.0	1279.3	.0	.0	13.7	.0	.0	.0	.0	.0	3.5	38.2	.0	41.9	.0	.0
54201	700.6	.0	9.4	.0	647.7	2423.7	766.8	9.7	10.5	16.6	.0	1.2	.0	1.4	.0	1.3	32.6	.0	29.1	.0	.0
60201	2326.0	45.2	25.5	.0	455.0	4986.2	1826.8	70.5	26.2	22.5	.0	.0	.0	.0	.0	7.6	10.0	.0	15.4	.0	.0
60202	1168.5	220.6	16.7	.0	322.7	2627.0	1636.6	9.0	.0	.0	.0	.0	.0	.0	.0	1.5	8.6	.0	27.7	.0	.0
60203	2938.0	39.8	36.7	.0	484.9	2200.2	1050.8	83.9	7.0	21.3	1.6	1.6	.0	.3	.0	1.1	6.2	.6	58.4	.0	20.1
60401	1420.2	179.4	131.5	.0	284.8	3594.2	717.2	16.6	7.0	88.7	.0	.0	1.6	.0	.0	1.1	39.7	.0	11.6	.0	.0
60402	3845.8	177.0	272.9	.0	2017.0	8660.9	3416.1	25.2	35.2	106.8	.0	.0	.0	.0	.0	3.8	110.4	.0	65.8	.0	906.8
60501	901.1	13.7	25.5	.0	416.2	2206.2	1601.3	1.6	.0	.0	.0	.0	.0	.0	.0	8.1	7.0	.0	21.6	.0	.0
60502	1558.1	38.9	23.3	.0	687.8	4552.4	1371.9	1.6	3.2	68.2	.0	3.1	.0	.0	.0	2.6	15.2	.0	13.7	.0	.0
61201	1081.0	3.7	16.6	.0	1172.6	8588.5	3437.2	2.4	.1	109.9	.0	.0	.0	.0	.0	2.9	14.2	.0	100.6	.0	.0
61202	887.3	.0	43.2	.0	446.8	4611.8	1618.5	.0	10.9	265.1	.0	3.1	.0	.0	.0	3.5	12.4	.0	31.9	.0	.0
61501	3146.3	.0	7.9	.0	403.2	4274.6	8343.9	.0	6.0	18.9	.0	.0	.0	.0	.0	5.2	5.6	.0	22.1	.0	.0
61701	2054.3	.0	7.9	.0	556.3	4205.2	9852.3	.0	.0	.0	.0	.0	1.0	.0	.7	3.9	10.0	.0	22.8	.0	535.5
61901	923.1	.0	234.7	.0	256.9	4879.5	1655.7	112.3	85.8	3.7	.0	.0	.0	.0	.0	8.3	8.5	.0	23.9	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
62001	4031.1	22.7	248.4	.0	471.9	5003.3	891.6	17.5	376.3	11.7	.0	1.7	.0	.0	1.9	2.0	9.4	.0	31.5	.0	.0
62002	1281.3	5.8	43.2	.0	335.0	4884.5	651.9	9.8	7.8	10.7	.0	1.1	.0	.0	.0	1.3	7.0	.0	34.4	.0	.0
62301	2118.7	21.1	25.3	.0	689.7	9492.3	1681.9	12.7	.0	28.0	.0	2.9	.0	.0	.0	4.9	8.5	.0	31.1	.0	.0
62302	2778.9	48.6	27.6	.0	739.8	14503.7	1261.1	2.6	11.2	13.3	.0	1.6	1.5	1.3	.6	.4	21.3	.0	38.4	1.0	227.2
62401	1996.9	57.4	43.7	.0	790.7	11927.0	4667.1	19.4	4.2	6.8	.0	1.6	.0	.0	1.8	1.1	13.6	.6	32.2	1.3	100.6
62501	2828.3	57.4	147.0	.0	956.3	11041.3	2040.2	12.4	8.2	993.1	.0	1.6	.0	.0	.6	.6	4.2	.6	31.2	1.3	100.6
62601	969.4	5.3	16.6	.0	579.5	4274.6	4713.4	3.8	1.6	.8	.0	3.0	.0	.0	.0	5.7	14.2	.0	31.7	.0	.0
62701	1216.9	163.5	103.0	.0	397.8	3317.4	1825.8	84.3	4.7	135.8	.0	46.3	.0	.0	2.7	1.9	8.6	.0	15.7	.0	.0
62702	1155.5	14.1	105.0	.0	1002.9	9257.8	2319.0	55.1	753.9	2840.3	674.7	.0	.0	.0	.7	1.2	29.7	.0	36.0	.0	113.6
62801	1915.4	675.4	192.9	.0	535.9	2303.9	2719.6	192.3	32.8	57.6	.0	1.6	.0	.0	1.8	3.3	26.4	.6	17.1	1.0	313.1
62802	7320.3	110.6	330.9	3.7	5490.5	33566.8	38981.7	11.5	55.8	18.9	.0	1.6	.0	.0	1.8	1.1	24.9	.6	222.4	12.5	2713.5
62803	1916.4	236.2	96.0	.0	444.2	3112.1	2072.4	63.1	58.9	246.0	.0	1.5	.0	.0	1.8	5.3	25.2	.0	16.2	.0	.0
62804	2861.5	1169.6	670.4	10.9	902.0	2916.8	4574.5	372.5	11.7	108.3	.0	1.6	.0	.0	1.7	2.6	8.6	.0	22.5	.2	.0
62805	1112.2	237.8	7.9	.0	430.9	2554.5	2112.6	13.0	88.4	62.8	.0	.0	.0	.0	.0	4.1	15.5	.0	14.2	.2	.0
70201	1886.2	12.9	34.1	.0	1043.7	8714.3	3075.9	12.1	.0	3.7	.0	6.1	.0	.0	.0	5	15.2	.6	84.3	.0	.0
70501	1647.6	102.4	27.7	.0	786.0	4125.6	2606.8	7.0	.0	15.0	.0	3.0	.0	.0	.0	10.5	12.8	.0	21.0	.0	.0
70701	1627.5	71.3	25.4	.0	629.9	2609.9	4286.7	2.4	.0	12.1	.0	3.0	.0	.0	.0	7.0	18.4	.0	26.9	.0	.0
70801	1718.1	136.0	69.6	.0	875.8	2675.3	5235.8	29.2	.0	15.2	.0	.0	.0	.0	.0	4.7	11.4	.0	35.4	.0	.0
71101	1969.7	154.6	43.2	.0	404.6	3153.4	2163.0	14.6	6.2	84.1	.0	.0	.0	.0	.0	3	4.2	.0	15.7	.0	.0
71301	2413.6	128.0	117.2	.0	712.7	5477.4	2109.6	16.6	5.0	273.5	.0	8.1	.0	.0	1.8	8.5	19.8	.6	27.7	1.3	434.2
72601	1823.8	128.8	237.2	.0	931.7	2813.2	5384.8	35.6	10.8	446.3	.0	.0	.0	.0	3.0	4.7	17.1	.6	17.5	1.3	388.8
72701	2065.3	197.3	82.8	.0	717.4	2454.9	2839.3	46.0	32.1	77.8	.0	1.3	.0	.0	.0	8.5	17.1	.6	27.7	1.3	388.8
80501	1533.9	154.4	113.8	.0	843.7	7796.3	2309.9	22.7	.9	40.2	.0	1.6	.0	.0	.0	4.7	11.4	.0	35.4	.0	.0
80601	989.7	38.9	34.3	.0	245.2	2511.2	2681.3	5.7	.9	3.6	.0	1.6	.0	.0	.0	8.1	7.0	.0	11.9	.0	.0
80602	2111.3	71.2	149.0	.0	818.4	5187.5	5623.3	25.9	.0	9.9	.0	.0	.0	.0	1.4	3.1	11.3	.0	39.1	.0	.0
80603	2402.5	173.0	147.3	.0	645.7	5969.6	2460.9	11.5	10.5	22.2	.0	8.2	.0	.0	.7	4.1	5.6	.6	20.7	1.0	89.5
80604	1337.6	138.1	43.2	.0	303.8	1857.0	11011.1	.0	.0	5.3	.0	.0	.0	.0	.0	8.1	5.6	.0	11.7	.0	.0
80605	923.6	14.1	43.2	.0	215.2	1988.8	964.8	5.7	13.9	11.4	.0	.0	.0	.0	.0	1.3	8.6	.0	10.5	.0	.0
80701	759.5	22.3	7.9	.0	70.3	1548.0	604.8	5.7	47.7	5.3	.0	1.2	.0	.0	.0	4.5	7.0	.0	6.8	.0	.0
81401	1239.0	46.4	16.5	.0	546.1	3453.3	6774.8	6.4	3.1	7.5	.0	.0	.0	.0	2.8	2.4	9.9	.0	7.6	.0	.0
81501	1588.3	228.7	140.3	.0	555.5	3614.3	2019.0	38.6	21.6	19.7	.0	3.1	1.0	.0	.0	3.2	8.6	.0	11.9	.0	.0
81701	1169.6	170.1	131.2	.0	214.1	1395.0	1128.3	28.3	145.6	15.9	.0	4.4	.0	.0	.0	6.0	5.6	.0	10.8	.0	.0
81901	884.2	28.0	69.5	.0	184.0	1882.2	1338.6	.0	16.9	5.3	.0	.0	.0	.0	.0	4.5	7.0	.0	6.8	.0	.0
81902	1258.1	80.3	76.3	.0	228.1	2205.2	1044.7	1.6	17.0	234.1	.0	.0	.0	.0	.0	10.3	5.6	.0	8.5	.0	.0
82101	3325.5	21.1	.0	.0	471.0	3277.2	9914.0	2.4	.1	.0	.0	7.3	.0	.0	.0	18.2	15.5	.0	18.2	.0	.0
82601	485.2	5.8	16.6	.0	1.0	1250.1	582.9	.0	61.5	.8	.0	.0	.0	.0	.0	8.1	5.6	.0	6.9	.0	.0
82801	1472.5	79.4	25.4	.0	421.8	1969.7	820.9	.0	22.3	6.0	.0	.0	.0	.0	.0	8.6	8.5	.0	7.0	.0	.0
82901	1067.0	129.0	316.7	.0	239.5	1197.7	758.2	11.4	156.4	10.6	.0	1.5	.0	.0	.0	8.8	7.0	.0	5.3	.0	.0
90101	967.7	165.1	3369.8	.1	972.7	3635.5	5650.5	37.8	1.2	165.2	.0	5.0	.2	.0	4.3	.9	9.4	.6	15.4	.0	218.5
90102	1133.3	225.2	238.9	.0	618.7	2053.3	2930.9	31.8	.4	35.8	.0	4.8	.0	.0	.0	2.1	10.9	.0	9.7	.0	50.8
90301	911.9	310.5	43.1	.0	390.6	1149.4	4799.0	35.6	.0	22.7	.0	4.4	.0	.0	.0	8.5	9.9	.0	9.0	.0	.0
90401	1039.7	308.5	43.1	.0	444.2	1212.8	2711.5	53.2	.0	31.8	.0	.0	.0	.0	.0	3.9	9.9	.0	9.1	.0	.0
91401	888.5	176.4	96.0	.0	850.3	1897.3	3739.1	46.7	112.7	27.3	.0	45.7	.0	.0	.0	4.9	11.3	.0	11.3	.0	.0
91901	966.2	170.9	43.2	.0	164.9	1059.8	1442.3	23.6	30.0	24.7	.0	1.1	.0	.0	.0	2.9	4.2	.0	6.9	.0	.0
92601	1013.5	385.1	73.7	.0	567.6	1323.5	6472.8	71.7	.0	24.7	.0	4.9	.0	.0	.0	3.9	17.1	.0	10.9	1.3	225.7
92602	3333.5	30.1	7.8	.0	629.9	3032.6	7547.7	.0	3.1	5.3	.0	.0	.0	.0	.0	8.4	7.0	.0	17.3	.0	.0
93701	2947.0	228.9	5.6	.0	398.3	2595.8	7267.9	4.1	.0	1.5	.0	3.1	.0	.0	.0	7.6	17.0	.0	16.8	.0	.0
90401	1024.6	269.0	51.8	.0	546.1	3407.0	7112.9	36.2	.0	21.7	.0	.0	.0	.0	.0	8.8	18.4	.0	45.5	.2	.0
90102	757.6	211.6	99.5	.0	749.5	1825.8	7979.5	87.4	5.4	25.8	.0	4.4	.0	.0	.0	6.0	24.1	.0	12.8	.0	.0
90201	666.0	294.9	60.9	.0	705.6	1623.5	6346.0	100.4	.0	28.1	.0	.0	.0	.0	.0	7.4	19.8	.0	16.2	.2	.0
90301	901.7	385.1	117.4	.0	996.3	1269.2	9053.5	21.0	39.9	37.5	.0	1.1	.0	.0	.0	1.4	12.5	.0	10.0	.0	.0
90302	947.0	350.5	264.0	.0	1394.0	1380.9	12088.1	93.8	19.8	39.5	.0	1.1	.0	.0	.0	9.0	12.8	.0	14.8	.0	.0
90401	521.5	600.1	484.8	.0	687.8	825.0	6910.6	72.1	7.0	27.3	.0	1.6	.2	.0	.0	7.6	12.8	.0	7.6	.0	.0
90402	682.8	441.2	34.3	.0	637.4	566.2	5630.4	9.8	28.5	24.1	.0	.1	.0	.0	.0	1.0	4.2	.0	5.9	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
100403	471.8	253.5	211.9	.0	730.1	928.8	8047.0	65.5	.0	11.8	.0	5.0	.0	.0	.8	1.3	10.9	.0	8.2	.0	.0
101401	2415.6	91.8	88.4	.0	1301.4	24060.4	17930.8	60.7	6.1	7.6	.0	.6	.0	.0	.0	1.3	46.5	.0	411.8	.0	12.3
101402	847.1	403.1	184.8	.0	389.8	1069.9	3811.6	26.0	80.7	42.5	.0	.0	.0	.0	.0	4.7	11.4	.0	9.4	.0	.0
102101	904.7	542.6	776.6	.0	562.1	1074.9	4178.0	36.2	.0	28.8	.0	.0	.0	.0	.0	3.9	10.0	.0	8.5	.0	.0
102901	590.7	277.3	69.5	.0	805.8	1104.1	9153.1	50.1	.0	16.6	.0	.0	.0	.0	.0	8.7	9.6	.0	10.4	.0	.0
103201																					
103701	1687.9	305.6	321.1	.0	690.4	2497.1	8563.3	31.8	2.7	9.3	.0	.0	.0	.0	1.9	2.9	26.4	.0	23.8	.0	219.9
110101	450.4	2133.8	382.1	.0	848.7	979.0	9443.0	20.2	.0	15.1	.0	.0	.0	.0	.0	4.9	1.4	.0	13.4	.0	.0
110201	575.8	87.7	25.4	.0	766.4	1801.6	7055.6	.0	.9	24.3	.0	.0	.0	.0	.0	7.4	5.6	.0	14.8	.0	.0
110301	516.1	84.6	18.5	.0	669.6	1005.6	5943.4	18.6	2.1	10.9	2.1	.0	.0	.0	.0	2.2	3.1	.0	9.1	.0	.0
110601	498.2	119.5	78.5	.0	877.7	2684.2	6539.2	17.0	5.5	15.9	.0	.0	.2	.0	.7	1.4	4.2	.0	12.5	.0	.0
111101	577.0	138.1	43.2	.0	656.7	1005.1	6771.7	31.6	.0	20.5	.0	1.1	.0	.0	.0	7.3	5.6	.0	10.5	.0	.0
113001	602.4	104.9	16.6	.0	379.0	645.3	3549.9	14.6	81.4	12.2	.0	1.6	.0	.0	.0	6.6	1.4	.0	4.4	.0	.0
113002	260.8	5.1	7.8	.0	793.2	2358.2	5229.8	23.5	.0	11.8	.0	5.5	.0	.0	.0	6.6	2.8	.0	16.5	.0	403.2
113501	257.3	63.6	105.0	.0	114.4	451.1	1038.7	34.0	15.8	50.0	.0	4.5	.2	.0	.0	3.3	2.8	.0	2.4	.0	.0
114101	201.3	75.8	46.1	.0	1372.9	1390.0	10517.9	54.9	4.4	17.4	.0	4.5	.9	.0	1.9	1.7	52.8	.0	13.6	1.0	670.7
114901	408.7	47.3	78.5	.0	1494.7	2544.4	12641.6	.0	11.7	22.7	.0	.0	.0	.0	.0	8.0	4.2	.0	11.9	.0	.0
114902	511.1	39.1	25.5	.0	1677.8	1965.7	12400.1	11.2	.0	14.4	.0	.0	.8	.0	.0	2.3	2.5	.0	12.5	.0	.0
114903	594.9	80.9	96.3	.0	1830.8	1824.8	13487.1	98.9	26.3	22.0	.0	.2	.0	.0	.0	2.8	2.8	.0	13.1	.0	.0
114904	60.3	53.7	69.6	.0	1525.9	1852.0	11292.9	24.4	53.7	63.3	.0	.0	.0	.0	1.8	2.6	1.4	.0	11.4	.0	.0
120102	468.9	14.7	25.4	.0	578.4	627.4	4571.5	17.0	.0	239.7	.0	.0	.0	.0	.2	2.6	9.9	.0	5.8	.0	.0
120103	384.7	14.7	46.1	.0	524.5	514.6	3939.4	13.3	6.6	17.4	.0	.0	.0	.0	.7	1.5	9.4	.0	5.4	.0	.0
120104	302.7	17.0	92.1	.0	683.9	616.9	6893.5	17.7	4.1	22.0	.0	.0	.0	.0	.0	3.7	7.1	.0	6.2	.0	.0
120105	842.1	83.8	46.0	.0	733.3	2489.1	6543.3	3.3	8.7	13.3	.0	1.7	.0	.0	.7	3.2	9.4	.0	6.9	.0	.0
120106	420.0	138.5	73.8	.0	615.3	642.1	4724.5	16.4	1362.8	67.2	.0	8.1	.0	.0	2.9	.0	7.8	.0	10.6	.0	296.1
120107	690.4	190.7	55.3	.0	741.3	1478.5	6046.0	11.5	30.6	19.0	.0	.0	.0	.0	.0	1.9	10.9	.0	5.7	.0	.0
120108	159.3	45.2	25.5	.0	618.9	1251.1	5272.0	1.6	86.8	16.7	.0	.0	.0	.0	.0	8.0	4.2	.0	10.0	1.3	3.2
120109	339.5	128.8	51.8	.0	541.4	477.6	4587.6	1.6	4.7	35.3	.0	.0	.0	.0	.0	8.3	4.2	.0	9.4	.0	.0
120110	603.4	89.1	61.0	.0	563.3	1648.6	4135.7	19.5	.0	8.4	.0	.0	.0	.0	.7	.0	4.2	.0	8.5	.0	.0
120111	284.1	102.1	16.5	.0	426.5	653.7	4411.5	.0	159.4	15.1	.0	.0	.0	.0	.0	9.6	5.6	.0	5.3	.0	.0
120112	419.4	195.9	25.5	.0	516.4	918.5	4968.1	.0	23.1	178.9	.0	.0	.0	.0	.0	3.6	2.8	.0	9.4	.0	.0
120113	606.7	188.5	27.7	.0	773.2	663.0	5179.4	16.8	109.4	15.0	.0	11.4	.0	.0	.7	3.4	20.2	.0	8.8	.0	.0
120114	743.1	136.9	64.3	.0	733.3	2924.9	4739.6	4.4	2	12.5	.0	.0	.0	.4	2.9	.0	15.5	.6	12.9	1.0	645.0
121901	602.4	43.0	7.9	.0	1202.8	1471.5	11001.0	13.8	679.9	49.8	.0	5.3	.0	.0	.0	3.3	8.6	.0	16.1	.0	.0
122101	321.2	63.6	16.6	.0	385.4	854.4	4492.0	16.6	3.9	9.9	.0	.0	.0	.0	.0	6.7	2.8	.0	4.1	.0	.0
122401	572.3	137.7	9.3	.0	390.6	1046.8	3994.8	5.3	72.3	21.4	.0	3.3	.0	.0	.0	3.2	4.6	.0	7.9	1.0	.0
122801	449.5	43.0	32.1	.0	152.2	984.0	1157.5	.0	.0	5.3	.0	7.1	1.0	.0	.0	5.6	2.8	.0	3.3	.0	.0
122802	494.1	31.6	1	.0	269.4	1889.2	1409.1	.0	.0	3.6	.0	.1	.1	.0	3.0	3.7	1.6	.6	6.0	.0	.0
122803	400.0	38.9	122.7	3.6	82.9	799.3	1744.3	6.3	.0	3.0	.0	.0	.0	.0	.0	3.5	2.8	.0	2.1	.0	.0
123501	4132.7	.0	16.5	.0	761.7	6575.5	3500.6	15.4	90.5	6.8	.0	3.0	.0	.0	.0	8.3	8.5	.0	38.5	.0	.0
123801	144.6	55.2	6.8	.0	274.7	702.6	1852.0	5.3	.0	3.6	.0	.0	.9	.0	.0	.0	3.1	.6	3.0	.0	.0
124301	478.8	96.6	34.3	.0	580.6	1487.6	4859.4	5.7	270.7	31.1	.0	3.1	.0	.0	.0	3.8	5.6	.0	5.3	.0	.0
124701	699.8	179.2	166.9	.0	750.8	1293.4	6045.0	26.8	106.6	38.6	.0	1.5	.0	.0	.0	7.9	4.2	.0	9.7	.0	.0
125101	326.9	21.8	67.3	.0	252.1	812.9	2042.2	.0	46.9	30.3	.0	.0	.0	.0	.0	1.7	3.9	.0	6.7	.0	.0
125102	338.2	30.6	166.9	.0	454.6	854.7	3620.4	6.5	145.6	48.4	.0	.0	.0	.0	.0	2.5	3.9	.0	4.7	.0	.0
125103	497.3	38.3	16.6	.0	390.6	648.3	3941.5	4.0	145.6	48.4	.0	.0	.0	.0	1.4	2.0	60.5	.0	7.9	.0	.0
126301	682.7	117.0	91.9	.0	1166.5	1486.6	6588.5	14.1	558.3	56.8	.0	4.8	.0	.0	.6	4.9	1.4	.0	30.0	.0	393.9
140101	265.0	52.5	272.5	.0	497.3	654.8	5243.9	4.0	15.4	256.6	.0	.0	.0	.0	.0	4.4	2.8	.0	4.4	.0	.0
141601	261.7	55.6	16.7	.0	108.4	470.2	1702.0	.0	.0	4.6	.0	.0	.0	.0	.0	4.4	4.2	.0	5.3	.0	.0
141602	652.1	112.5	32.0	.0	459.9	506.9	4323.9	.0	64.4	8.4	.0	.0	.0	.0	.0	5.1	2.8	.0	5.6	.0	.0
142001	928.2	22.4	34.3	.0	247.0	1890.2	1958.6	.8	16.0	3.0	.0	.0	.0	.0	.0	9	17.0	.0	21.9	.0	.0
142201	1509.8	22.3	16.6	.0	448.4	4843.3	1294.4	.0	2.4	28.8	.0	.0	.0	.0	.0	8.5	28.3	.0	75.6	.0	.0

Nr.	Si	Al	Fe	Ti	Mo	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
142401	444.6	11.4	8.6	.0	63.8	603.4	393.3	1.2	8.1	4.2	.0	.0	.0	.0	.0	3.7	5.0	.0	7.3	.0	.0
142402	3516.7	.0	7.8	.0	1681.9	4026.0	11977.3	.0	.0	1.5	.0	.0	.0	.0	.0	8.2	8.5	.0	42.0	.0	173.6
142801	690.3	104.1	34.2	.0	1032.7	971.9	7103.9	7.2	2.4	119.6	.0	.0	.0	.0	2.5	1.7	12.7	.0	8.5	.0	.0
142901	577.8	14.7	34.4	.0	525.5	558.2	4263.5	9.8	63.1	21.1	.0	4.6	.0	.0	.0	2.5	4.2	.0	4.4	.0	.0
143201	362.4	47.8	229.0	.0	145.4	400.6	1616.4	.0	.0	.1	.0	.0	.0	.0	.0	3.8	3.9	.0	3.3	.0	.0
143801	263.6	30.6	34.3	.0	516.1	1825.8	4817.1	.0	6.2	9.9	.0	9.1	.0	.0	.0	7.3	4.2	.0	8.0	.0	.0
143901	419.1	66.9	25.4	.0	1564.1	1093.1	10387.1	8.9	52.2	8.5	.0	.0	.0	.0	.0	6.4	10.9	.0	14.2	.0	.0
143902	878.3	43.0	43.2	.0	1469.5	1775.5	9419.8	7.3	30.8	18.9	.0	1.6	.0	.0	.0	8.6	4.2	.0	13.9	.0	.0
143903	419.1	47.1	16.6	.0	807.5	593.3	6610.7	.0	62.2	8.4	.0	1.6	.0	.0	.0	3.5	2.8	.0	7.3	.0	.0
143904	498.2	22.4	43.2	.0	587.4	1166.5	6235.3	7.3	2.4	7.6	.0	.0	.0	.0	.0	6.4	4.2	.0	11.9	.0	.0
144301	699.8	30.6	16.6	.0	580.6	864.9	4867.4	.0	34.6	4.5	.0	.0	.0	.0	.0	8.5	2.5	.0	5.6	.0	.0
144302	516.4	5.3	7.8	.0	397.0	654.8	3548.9	.0	6.0	2.3	.0	.0	.0	.0	.0	5.2	2.8	.0	5.6	.0	.0
144501	1391.0	57.4	27.6	.0	465.8	1515.8	2520.3	.0	49.0	11.7	.0	.0	.0	.0	1.8	.0	6.2	.0	15.3	.0	165.8
150101	528.4	13.4	7.8	.0	665.7	2898.7	5132.1	.8	.0	1.5	.0	.0	.0	.0	.0	5.2	2.8	.0	11.1	.0	.0
150201	647.4	71.3	51.8	.0	674.1	714.9	6205.1	.0	7.0	3.0	.0	.0	.0	.0	.0	2.4	1.4	.0	6.6	.0	.0
150202	970.0	12.0	51.9	.0	631.1	913.2	4958.0	1.6	16.8	3.8	.0	.0	.0	.0	.7	2.1	1.4	.0	6.1	.0	.0
150203	1287.3	163.5	290.9	.0	821.9	1714.1	5831.7	4.1	46.8	11.5	.0	9.2	.0	.0	.0	7.3	2.8	.0	14.8	.0	.0
150301	737.4	44.5	16.6	.0	680.3	1288.3	5898.1	.0	1.6	3.8	.0	.0	.0	.0	.0	7.4	2.8	.0	9.6	.0	.0
151401	949.1	14.1	51.9	.0	1197.7	1822.8	7656.4	9.8	56.9	12.9	.0	.0	.0	.0	.0	.0	4.2	.0	12.2	.0	.0
151601	890.3	40.5	34.5	.0	658.5	934.8	5293.2	3.5	30.4	8.5	.0	.0	.0	.0	.0	4.6	3.1	.0	9.6	.0	.0
151602	635.3	30.9	147.0	.0	612.4	725.5	4942.9	2.6	.0	162.3	.0	.0	.0	.0	.6	3.3	1.5	.0	8.2	.0	.0
151701	805.1	73.1	48.5	.0	415.3	2003.9	4962.0	7.4	.0	4.2	.0	.0	.0	.0	1.6	.4	10.3	.0	12.4	.0	.0
151901	672.6	21.6	25.4	.0	388.7	1191.7	3463.4	.0	12.2	43.9	.0	.0	.0	.0	.0	9.5	1.4	.0	8.2	.0	.0
152001	486.1	14.7	7.9	.0	487.6	965.2	3969.6	1.7	24.6	2.3	.0	.2	.0	.0	.0	1.1	2.8	.0	5.9	.0	.0
152501	660.5	14.7	25.6	.0	172.2	1588.3	3775.4	.0	.0	10.7	.0	4.6	.0	.0	.0	8.3	1.4	.0	8.8	.0	.0
152801	494.6	56.0	55.3	.0	269.4	1341.7	3850.9	4.4	.0	9.3	.0	.0	.0	.0	.0	3.7	3.1	.0	5.7	.0	.0
153201	271.3	22.3	34.3	.0	1234.0	917.7	9274.9	4.1	.0	.8	.0	.0	.2	.0	.0	.6	1.4	.0	9.9	.0	.0
153401	482.0	48.1	5.3	.0	397.8	842.7	3900.2	5.0	25.9	1.4	.0	.0	.0	.0	.0	1.7	.0	.0	6.5	.0	.0
153402	574.3	98.0	7.4	.0	472.1	505.9	4854.3	.0	15.8	4.2	.0	4.1	.0	.0	.0	4	1.3	.0	7.0	.0	.0
153501	721.6	13.4	5.5	.0	365.2	1039.7	3497.6	.0	16.0	3.8	.0	3.0	.0	.0	.0	9.1	.0	.0	7.5	.0	.0
153901	1073.9	.0	.0	.0	225.5	1511.8	2230.4	.0	.0	.0	.0	1.5	.0	.0	.0	7.0	1.4	.0	10.8	.0	.0
153902	1250.1	5.3	5.5	.0	340.3	1103.1	2938.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	1.4	.0	7.0	.0	.0
154601	726.7	104.3	184.3	.0	1887.2	3575.1	16174.5	.0	119.6	37.8	.0	.0	.0	.0	.0	2.2	1.4	.0	25.7	.0	.0
154701	744.6	121.4	626.2	.0	813.9	1270.2	12581.3	.0	.0	100.8	.0	.0	.0	.0	.0	5.7	11.3	.0	8.5	.0	.0
154801	1755.3	30.9	9.2	.0	1185.7	2519.3	5381.8	.0	12.8	3.6	.0	6.0	.0	.0	.0	6.4	1.4	.0	7.8	.0	.0
155101	589.1	48.6	.0	.0	427.6	1031.7	3763.3	.0	12.8	8.5	.0	1.6	.0	.0	.0	3.3	.0	.0	7.8	.0	.0
155401	1569.1	13.4	93.8	.0	1365.8	2286.8	6740.5	12.8	.0	28.8	.0	.0	.0	.0	.6	3.5	1.5	.0	6.6	.0	.0
155402	547.0	90.1	98.6	.0	1313.5	2373.7	9443.0	3.0	22.8	9.0	.0	.0	.0	.0	.0	3.9	5.6	.0	13.9	.0	.0
155403	1132.3	22.3	135.9	.0	990.3	1747.3	6102.4	3.0	5.5	3.0	.0	.0	.0	.0	.0	1.5	.0	.0	14.9	.0	221.5
156001	697.2	55.4	133.7	.0	555.5	743.4	3881.1	9.0	1.7	23.6	.0	1.2	.0	.0	.0	.9	4.2	.0	9.4	.0	.0
156301	1392.0	.0	7.9	.0	416.9	3426.1	1966.7	.0	120.5	3.8	.0	.0	.0	.0	.0	6.5	7.0	.0	6.1	.0	.0
156302	1724.1	.0	25.4	.0	151.4	10548.1	1813.7	.0	.0	6.8	.0	.0	.0	.0	1.7	2.7	.0	.0	17.4	.0	.0
156601	641.2	29.9	7.8	.0	245.5	671.8	2898.7	.0	24.8	3.8	.0	1.7	.0	.0	.0	4.9	.0	.0	6.1	.0	.0
156701	420.0	6.4	7.9	.0	393.0	4831.2	2297.8	.0	24.8	1.6	.0	.0	.0	.0	.0	1.7	1.4	.0	10.8	.0	.0
156901	387.2	14.1	7.9	.0	402.7	829.9	3113.1	2.4	24.7	3.8	.0	.0	.0	.0	.0	.3	2.8	.0	6.4	.0	.0
160101	536.6	32.3	9.4	.0	720.6	5661.6	3379.8	.0	13.7	.0	.0	3.4	.0	.0	.8	1.6	3.1	.0	9.4	.0	91.7
160102	1053.8	30.1	78.4	.0	755.9	5978.6	4480.9	.0	.0	1.7	.0	.0	.0	.0	.0	6.8	2.8	.0	40.4	.0	.0
160103	986.1	.0	69.5	.0	1195.7	24538.5	4816.1	40.5	.0	.0	.0	.0	.0	.0	.0	5.7	8.5	.0	40.3	.0	.0
161201	768.4	47.3	43.2	.0	499.1	1738.2	4351.1	4.1	7.9	1.5	.0	.0	.0	.0	.0	4.6	1.4	.0	9.6	.0	.0
162401	627.5	63.6	60.8	.0	719.3	2291.8	5105.0	.0	16.2	11.8	.0	13.5	.0	.0	.0	9.8	.0	.0	10.8	.2	.0
162402	589.8	88.6	96.2	.0	681.9	1109.2	5458.3	.0	10.7	8.2	.0	1.6	.0	.0	.0	7.8	1.4	.0	7.6	.0	.0
162403	502.7	95.3	78.2	.0	463.2	2945.0	5210.7	.0	43.7	1.5	.0	.0	.0	.0	.5	1.2	.0	.0	11.6	.0	.0
162404	1239.0	79.4	307.8	.0	1019.6	3422.1	6325.9	4.0	59.8	24.3	.0	.0	.0	.0	.0	2.2	1.4	.0	10.5	.0	.0
162701	511.9	79.4	7.8	.0	963.1	1353.7	8091.3	.0	.0	24.1	.0	.0	.0	.0	.0	6.4	.0	.0	11.4	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
163001	404.0	120.0	154.1	.0	582.0	492.1	5188.5	13.3	32.1	24.5	.0	.0	.0	.0	.0	3.6	1.6	.0	5.4	.0	.0
163401	1958.6	.0	.0	.0	826.8	13195.2	1223.9	.0	.0	.0	.0	.0	.0	.0	.0	4.7	2.8	.0	48.9	.0	.0
163601	1068.9	54.7	166.6	.0	717.6	4400.4	3589.2	7.2	6.2	224.8	.0	7.4	.0	.0	.0	.8	.0	.0	7.0	.0	.0
163602	1846.9	.0	25.4	.0	780.6	5947.4	2265.6	4.6	18.3	20.4	.0	1.1	.0	.0	.0	.7	.0	.0	10.8	.0	.0
163801	1058.8	76.8	248.8	.1	1330.6	5715.9	4560.5	4.4	21.3	17.4	.0	10.0	1.1	.0	.8	.0	4.7	.0	22.3	.1	51.4
164001	2222.4	.0	7.9	.0	4088.4	21549.2	1530.9	11.4	7.0	18.2	.0	.0	.0	.0	.7	5.8	49.5	.0	77.1	.0	844.1
164401	344.6	.0	23.3	.0	83.2	2947.3	728.4	2.4	19.3	72.8	.0	.0	.0	.0	.0	1.8	4.2	.0	5.0	.0	.0
164801	799.8	22.7	64.4	.0	728.6	7047.5	2761.8	10.7	56.1	5.2	.0	.7	.0	.3	.0	.7	3.1	.0	33.1	.0	124.0
165301	337.6	.0	7.8	.0	724.4	12853.0	3421.1	3.0	8.6	.8	.0	.0	.0	.0	.0	4.5	2.8	.0	32.0	.0	.0
165701																					
166201	698.5	5.3	16.6	.0	384.4	3011.4	1407.1	.0	9.3	10.6	.0	.0	.0	.0	.0	8.2	2.8	.0	9.3	.0	.0
166301	662.3	44.5	149.0	.0	692.9	4839.3	3738.1	.0	.0	1.5	.0	1.5	.0	.0	.0	4.2	.0	.0	34.8	.0	.0
166302	954.3	48.6	110.3	.0	854.4	8209.0	3730.1	5.3	28.2	14.9	.0	.0	.0	.6	.0	.9	4.6	.0	43.6	.0	102.6
170201	680.9	54.1	95.8	.0	678.7	4157.9	3302.3	.0	8.5	131.5	.0	11.8	.0	.0	.0	8.5	1.4	.0	17.9	.0	.0
170202	1156.5	93.5	147.3	.0	1225.9	5859.8	5087.9	4.4	9.0	8.5	.0	.0	.0	3.0	.0	3.2	6.2	.0	19.5	.0	22.3
170203	551.5	45.2	52.0	.0	606.3	3904.2	3667.7	7.3	.1	6.8	.0	.0	.0	.0	.0	2.7	1.4	.0	17.0	.0	.0
170301	460.6	97.3	175.9	.0	366.2	446.2	6813.0	.0	6.3	.8	.0	.0	.0	.0	.0	4.9	.0	.0	3.9	.0	.0
171401	579.7	54.9	93.8	.1	4091.5	1972.7	2456.9	.0	.0	.0	.0	4.4	.0	.0	.0	9.1	.0	.0	24.8	.0	.0
171402	1046	58.9	27.8	.1	283.4	10507.9	2912.8	.9	.0	.5	.0	3.4	.0	.0	1.9	.8	1.6	.0	51.5	.0	538.
171501	501.1	40.5	18.1	.0	5.1	6105.4	5681.7	7.1	2.0	177.0	.0	.0	.0	.0	.0	.4	3.1	.6	53.5	.0	.0
171901	573.9	13.6	34.2	.0	620.2	4113.6	3642.5	.0	92.4	10.1	.0	.0	.0	.0	.0	6.0	3.1	.6	16.0	.0	.0
172101	421.3	22.3	60.8	.0	875.5	6439.6	3147.3	.0	9.1	9.1	.0	.0	.0	.0	.0	3.1	1.4	.0	33.1	.0	.0
172102	782.1	40.4	180.0	.0	801.3	4654.1	3937.4	5.7	9.4	7.6	.0	.1	.0	.0	.0	3.5	1.4	.0	18.5	.0	.0
172401	1039.7	473.4	34.2	.0	1069.9	4005.9	4903.7	7.6	4.5	87.8	.0	3.0	1.3	.0	1.9	2.2	7.4	.0	18.1	.6	419.5
172402	548.5	83.4	82.8	.0	781.0	2774.9	17945.9	13.8	.0	11.2	.0	.0	.0	.0	.0	5.6	2.8	.0	11.6	.0	.0
172901	1083.0	29.9	149.0	.0	607.4	2422.6	4673.2	8.0	1.2	21.4	.0	4.9	.0	.0	.0	.9	1.6	.0	10.3	.0	.0
172902	768.4	57.4	367.6	.0	1156.5	6284.6	5550.8	16.8	7.8	3.8	.0	.0	.0	1.7	.0	2.7	9.9	.0	21.9	.0	47.9
175001	518.0	79.5	78.4	.0	2192.2	17805.0	9563.8	66.9	65.2	14.9	.0	.0	.0	.4	.0	.1	10.9	.0	79.1	1.0	2726.6
180401	926.5	.0	25.6	.0	1266.2	2421.6	11433.8	.0	9.9	20.4	.0	.0	.0	.0	.0	6.0	.0	.0	20.2	.0	.0
180402	993.9	55.4	140.3	.0	1093.1	10326.7	6152.7	5.7	6.1	1.6	.0	.0	.0	.0	.0	1.7	21.2	.0	35.2	.0	15.4
180403	274.8	56.2	18.5	.0	1185.7	3677.8	7307.2	.0	7.0	10.7	.0	7.1	1.8	.0	1.8	2.9	8.6	.0	17.9	.0	.0
180501	364.6	.0	7.9	.0	371.8	944.5	3036.6	2.4	35.2	6.8	.0	.0	.0	.0	.7	1.9	1.6	.0	6.0	1.0	.0
180502	539.6	5.1	43.0	.0	191.1	1342.7	859.6	4.7	.0	1.6	.0	.0	.0	.0	3.0	1.0	1.4	.0	3.3	.0	.0
181201	566.5	55.6	43.2	.0	1555.0	10005.6	2018.0	11.2	.0	19.6	.0	.0	.0	.0	.0	4.2	1.4	.0	70.7	.0	.0
181202					377.8	3094.0	7034.4	.0	.0	3.0	.0	.0	.0	.0	.0	5.9	.0	.0	15.9	.0	.0
181301	824.9	22.0	9.2	.0	1179.6	15771.9	6126.6	.0	.0	2.0	.0	3.2	.0	.0	.6	1.6	4.6	.0	88.4	.0	485.8
181501	575.1	59.1	9.4	.0	1548.0	1782.5	10890.3	.9	4.3	15.8	.0	3.5	.0	1.3	2.0	.0	3.1	.6	13.9	1.3	464.4
181801	541.2	59.1	9.4	.0	1077.0	1872.1	9204.4	2.7	.0	9.4	.0	.0	.0	.0	2.0	.0	1.6	.0	15.7	.1	199.4
182001	316.1	102.1	16.5	.0	780.6	676.4	6018.9	.0	2.4	15.1	.0	5.9	.0	.0	.0	4.6	.0	.0	5.8	.0	.0
182002	237.2	75.1	80.4	.0	389.4	862.8	3562.0	1.8	.0	9.3	.0	1.6	.0	.0	2.9	4.3	.0	.0	4.5	.0	.0
182401	1100.1	13.6	43.1	.0	1411.1	9560.7	4655.1	3.2	20.6	3.0	.0	3.0	.0	.0	.0	5.4	7.0	.0	37.4	.0	.0
182801	1130.3	.0	23.3	.0	1821.8	11937.1	6521.1	2.4	47.7	9.2	.0	.0	.0	.0	.0	1.0	17.0	.0	33.1	.0	655.7
183201	1049.8	38.1	1349.7	.0	837.2	7184.4	4919.8	17.8	97.3	52.9	.0	.0	.0	.0	1.7	1.6	4.2	.0	29.9	.0	.0
183301	570.2	14.2	60.9	.0	461.3	2872.6	2256.6	.0	17.0	64.4	.0	.1	.0	.0	.0	10.0	4.2	.0	7.6	.0	.0
183302	1044.7	22.3	122.7	.0	643.8	4224.3	2693.4	4.9	14.7	10.7	.0	.0	.0	.0	.0	9.0	4.2	.0	10.5	.0	.0
183303	291.9	14.0	9.3	.0	282.2	2541.4	1378.9	.0	7.3	3.6	.0	6.5	.0	.0	.0	2.7	3.1	.0	8.5	.0	.0
183901	422.2	.0	7.8	.0	862.9	48137.1	4045.1	.0	.0	6.8	.0	.0	.0	.0	.0	9.6	5.6	.0	91.9	.0	.0
184001	1040.7	14.1	16.6	.0	2175.0	11162.1	2127.7	14.0	34.4	14.4	.0	3.1	1.0	.0	2.9	.4	8.6	.0	29.7	.0	89.2
184101	479.0	5.9	78.5	.0	2424.7	14644.5	3833.8	.0	12.4	138.7	.0	4.6	.0	.0	.0	10.4	2.8	.0	39.5	.0	.0
184102	633.7	31.6	43.8	.0	1791.6	9423.9	2889.7	3.5	31.3	8.5	.0	.1	.0	.0	4.2	.0	9.4	.0	31.6	.0	175.8
184103	543.9	5.1	60.7	.0	344.6	5553.9	977.9	.0	.0	11.4	.0	.0	.0	.0	.0	8.2	4.2	.0	12.8	.0	.0
184104	398.7	23.0	32.2	.0	746.2	3353.7	2633.0	.9	6.8	41.0	.0	.2	.0	.0	.0	.6	2.5	.0	14.5	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
185001	1013.5	5.8	25.5	.0	1185.7	21841.1	3375.8	.0	33.1	2.3	.0	.0	.0	.0	.0	4.7	8.6	.0	131.0	.0	12.5
185101	442.0	83.8	18.4	.0	478.6	868.8	3855.6	.0	.0	.4	.0	1.6	.0	.0	.0	4.0	3.1	.0	4.8	.0	.0
185401	424.0	4.6	5.4	.0	249.3	1259.1	1576.2	.0	62.6	6.7	.0	.0	.0	.0	.0	8.8	2.8	.0	4.4	.0	.0
185701																					
186001	830.5	19.7	51.8	.0	1234.0	1278.3	7731.9	.0	10.7	12.9	.0	4.4	.0	.0	.0	10.8	4.2	.0	13.6	.0	.0
186002	821.3	22.3	60.8	.0	1286.3	1432.2	9226.6	6.5	17.0	12.9	.0	.0	.0	.0	.0	4.2	2.8	.0	13.4	.0	.0
186003	717.2	.0	7.9	.0	1532.9	1148.4	10346.8	3.3	3.8	12.2	.0	.0	.0	.0	.0	.6	2.8	.0	11.4	.0	.0
186501	615.5	87.7	72.3	1.4	500.1	685.7	4859.1	.5	122.7	10.6	.0	2.6	.0	.7	.0	.4	3.1	.0	4.9	.0	127.3
186502	180.2	53.3	28.2	1.8	336.8	394.8	3182.6	1.9	422.7	106.3	6.6	.9	.0	.0	.0	.6	1.8	.2	3.0	.3	135.9
186601	1295.4	3.2	140.2	.0	1032.7	2749.8	6249.4	.0	28.5	11.8	.0	.0	.0	.0	.0	7.0	8.5	.0	9.3	.0	.0
186602	933.4	.0	25.6	.0	620.1	880.7	4506.1	7.3	23.1	3.1	.0	.0	.0	.0	.0	3.4	2.8	.0	4.7	.0	.0
186603	1837.9	.0	16.6	.0	850.3	2480.0	6262.4	.0	.0	9.1	.0	.0	.0	.0	.0	4.2	4.2	.0	11.1	.0	.0
186604	1089.0	40.5	119.7	.0	1086.0	1375.9	6762.7	6.2	94.7	7.6	.0	3.3	.1	.0	.7	1.2	12.1	.0	10.0	.0	.0
186801	1275.2	.0	16.7	.0	1501.7	1008.5	8491.8	4.9	238.1	16.7	.0	.0	.0	.0	.0	3.0	2.8	.0	14.3	.0	.0
187001	879.3	32.3	27.8	.0	908.9	3286.2	4648.0	.0	2.6	2.9	.0	.2	.0	.0	.0	.0	4.7	.0	9.1	.0	185.8
187002	1546.0	.0	25.4	.0	1074.9	2684.2	6236.3	3.8	43.6	4.5	.0	3.0	.0	.6	.0	4.0	5.6	.0	13.6	.0	.0
187003	1802.6	.0	34.3	.0	1368.8	2937.0	7080.7	1.6	.9	3.0	.0	.1	.0	1.8	.0	3.6	7.0	.0	17.9	.0	.0
187004	1341.7	14.1	32.1	.0	927.3	1777.5	5588.1	14.6	.0	13.7	.0	.0	.0	.0	.0	5.0	5.6	.0	12.5	.0	.0
187005	751.2	30.9	18.4	.0	1275.2	1975.8	7308.2	1.8	8.2	2.8	.0	3.2	.9	.0	2.9	.0	5.8	.0	12.9	1.3	231.0
187006	1168.5	.0	7.9	.0	2111.6	7347.5	7027.4	.0	13.9	9.2	.0	.0	.0	.0	.0	8.4	5.6	.0	19.1	.0	.0
187101	906.6	5.8	7.9	.0	1027.6	2291.8	7060.6	3.8	11.7	8.4	.0	.1	.0	.0	.0	.0	2.8	.0	11.9	.0	.0
187102	732.1	5.3	16.6	.0	1177.6	2321.0	6294.7	.0	56.8	6.0	.0	.0	.0	.0	.0	.4	15.6	.0	10.8	.0	107.4
187103	439.2	13.6	5.5	.0	1276.3	2227.4	9507.4	.0	13.1	2.3	.0	.0	.0	.0	.0	6.3	4.2	.0	13.6	.0	.0
187104	437.4	5.1	16.5	.0	1429.2	6439.6	3523.8	.0	60.6	18.1	.0	.0	.0	.0	.0	9.9	4.2	.0	25.1	.0	.0
187201	484.0	.0	7.9	.0	342.5	1274.2	2861.2	3.7	10.9	2.3	.0	9.2	.0	.0	.0	4.6	1.4	.0	5.0	.0	.0
187202	583.5	.0	7.9	.0	497.5	776.9	3488.5	3.3	24.5	6.8	.0	4.2	.0	.0	.0	4.6	2.8	.0	5.0	.0	.0
190203	1237.0	.0	5.5	.0	554.0	1361.8	3449.3	.0	23.9	4.3	.0	.0	.0	.0	.0	.0	1.4	.0	8.5	.0	.0
191101	1166.5	.0	7.8	.0	856.1	3139.3	3030.6	.0	38.3	.0	.0	1.1	.0	.0	.0	2.8	11.0	.0	8.8	.0	.0
191701	1074.9	11.5	43.1	.0	1629.5	10779.6	3981.7	.0	1.6	.8	.0	.0	.0	.0	.0	7.5	14.2	.0	64.7	.0	.0
192201	675.6	71.7	188.7	1.9	831.1	8993.1	1683.9	20.8	.0	2.9	.0	.0	.0	.0	.3	1.3	7.9	.3	37.0	.1	240.8
192301	1271.2	22.3	43.2	.0	10316.6	33194.4	68542.7	.0	.0	.8	.0	4.5	.0	.0	.7	9.3	24.1	.0	197.8	1.5	2991.3
192401	459.0	.0	40.9	.0	1031.7	8694.1	2167.0	.0	20.8	118.9	.0	.0	.0	.0	.0	9.4	4.2	.0	37.1	.0	.0
192402	1180.6	.0	184.8	.0	2780.0	12842.9	4363.2	3.7	35.4	3.8	.0	.2	.0	.0	.0	3.5	12.8	.0	33.1	.0	.0
192403	960.4	83.9	144.7	.0	1332.6	3867.0	1820.8	4.7	95.5	258.2	.0	2.8	.0	.0	.0	5.6	4.8	.0	19.1	.0	.0
193101	334.0	.0	7.9	.0	297.1	1340.7	1703.0	1.6	112.8	4.5	.0	7.5	.0	.0	.0	1.5	1.4	.0	4.7	.0	.0
193102	1391.0	.0	113.6	.0	1794.6	17654.0	3783.4	5.6	38.4	8.4	.0	.0	.0	.0	.0	1.8	14.2	.0	65.5	.0	.0
194101	840.8	.0	7.9	.0	335.3	1744.3	2342.1	1.6	.0	228.9	.0	.0	.0	.0	.0	3.9	.0	.0	7.3	.0	.0
200101	431.9	.0	78.5	.0	454.6	802.7	4045.1	.0	.0	34.8	.0	4.5	.2	.0	.0	1.0	.0	.0	5.6	.0	.0
200102	630.6	6.4	131.7	.0	796.6	2087.5	6122.5	6.5	12.5	16.7	.0	.0	.0	.0	.0	1.4	1.4	.0	11.4	.0	.0
200201	834.3	.0	32.2	.0	2025.1	2401.5	6423.5	.0	143.6	15.2	.0	.0	.0	.0	.0	4.0	38.2	.0	56.2	.0	.0
200301	838.7	.0	184.6	.0	2621.9	3438.2	3117.1	.0	115.1	18.2	.0	.0	.0	.0	.0	8.9	38.2	.0	19.1	.0	.0
200302	2346.2	21.8	458.0	.0	3067.8	4104.5	3455.3	4.0	20.8	28.8	.0	1.5	.0	.0	.0	7.9	28.3	.0	12.5	.2	.0
201101	3811.6	5.8	175.6	.0	6354.0	15439.7	2155.9	.0	59.2	49.8	.0	4.2	.0	.0	.0	6.7	13.8	.0	40.1	.2	819.6
201102	1943.6	.0	175.9	.0	1175.6	8785.7	1461.4	.0	157.5	6.8	.0	1.7	.0	.0	.0	5.7	8.6	.0	8.5	.0	502.2
201201	862.0	58.9	110.6	.1	1234.0	4737.6	2231.4	2.5	13.6	145.7	.0	.0	.2	.0	.5	.9	7.4	.6	18.7	.0	383.6
201202	392.4	48.6	55.2	.0	605.9	2270.7	2057.3	.9	13.5	51.9	.0	.0	.0	.0	.6	2.3	6.2	.0	12.0	.0	18.2
201601	913.3	.0	25.5	.0	707.2	929.3	5630.4	4.1	20.8	1.5	.0	.0	.0	.0	.0	.0	.0	.0	10.8	.0	.0
201801	684.7	.0	23.3	.0	1104.1	1816.7	12269.2	3.1	73.0	13.7	.0	.0	.0	.0	.0	2.6	10.0	.0	10.8	.0	378.5
201901	1252.1	.0	60.8	.0	1487.6	9987.5	11866.6	6.5	.0	7.6	.0	1.6	.0	.0	.0	3.5	8.6	.0	40.9	.0	.0
201902	2267.6	.0	34.3	.0	2067.6	3323.5	10467.6	.8	.0	6.8	.0	1.5	.0	.0	.0	2.3	.0	.0	13.7	.0	.0
202001	524.2	13.4	25.4	.0	1114.2	10165.7	2760.8	.0	30.7	8.4	.0	1.5	.0	.0	.0	8.8	14.2	.0	16.5	.0	.0
202101	3758.3	3.1	51.8	.0	2963.1	13960.2	2126.7	20.2	.0	4.5	.0	1.1	.0	.0	.0	5.8	14.2	.0	23.3	.0	654.0
202201	75.7	13.3	.0	.0	905.3	3344.6	7644.4	.0	46.7	6.8	.0	1.6	.0	.0	.0	2.8	1.5	.0	24.1	.0	56.6
202301	190.5	.0	34.2	.0	1152.4	3217.8	9483.2	.0	59.1	6.0	.0	.0	.0	.0	.0	5.6	.0	.0	19.9	.0	.0
202302	120.3	.0	5.5	.0	1164.5	2788.0	9304.1	.6	4.7	29.5	.0	.0	.1	.0	.0	.7	.0	.0	19.9	.0	.0
202401	1430.2	.0	7.9	.0	1280.3	5223.7	8913.7	.0	11.7	3.8	.0	6.0	.0	.0	.0	7.1	5.6	.0	44.1	.0	.0
202801	1185.7	.0	78.5	.0	1960.7	4848.3	6033.0	2.4	.0	597.5	.0	.0	.0	.0	.0	4.2	28.3	.0	17.9	.0	.0
202802	1306.4	32.3	.2	.1	5470.3	12088.1	5179.4	.9	2.0	2.9	5.8	.0	.0	.6	1.9	.1	102.6	.6	231.9	1.3	95.6
203001	1381.9	39.1	7.9	.0	448.7	1621.5	2627.0	.0	5.5	5.3	.0	.0	.0	.0	.0	6.1	1.4	.0	8.0	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K	
10101	1311.5	151.1	167.2	2.0	1370.9	3230.9	3618.4	5.6	191.3	22.3	5.4	7.0	2.4	.0	1.8	2.4	11.3	.5	21.9	.4	1110.2	
10201	1569.1	67.4	7.6	.4	853.1	4512.1	9206.5	29.7	.0	12.1	.0	9.3	.0	1.5	1.1	4.0	34.1	.4	25.7	.4	718.1	
10301	1321.5	64.3	46.2	1.8	1496.7	8909.5	4101.5	5.2	.0	5.4	5.8	.0	.0	3.2	.0	.3	23.4	.2	34.7	.3	1000.7	
10302	1064.9	210.5	86.7	1.8	1031.7	2409.6	8592.5	16.4	.0	13.3	5.2	1.9	.0	1.2	.0	3.4	9.1	.9	37.4	.3	552.3	
10501	3093.0	785.1	902.9	16.4	2030.1	5769.3	9697.9	40.0	9.9	10.9	11.3	6.3	2.6	2.0	1.3	2.0	27.0	.9	37.4	1.3	1604.4	
11501	1322.5	91.0	16.7	1.1	1443.3	3649.6	17523.2	28.8	2.1	14.4	.0	2.0	2.6	2.4	4.7	2.2	16.0	.1	25.6	1.9	1188.7	
11901	2503.2	656.7	665.3	13.7	1710.0	4040.1	3487.5	13.0	79.3	28.2	8.8	2.0	.8	3.4	.0	2.3	18.4	.2	57.6	1.6	1395.6	
12201	2092.5	173.8	155.8	3.7	3034.6	10638.7	5333.4	9.4	.3	4.0	.0	.0	1.5	1.8	.0	1.2	34.2	.2	57.6	.9	1606.4	
12301	1444.3	135.7	346.6	3.0	1398.0	5290.2	3711.0	227.9	24.6	22.9	.0	.0	3.0	3.8	1.7	1.5	15.4	.0	31.1	.5	1000.1	
12401	1253.1	83.6	25.9	.6	1206.8	9480.2	5111.0	19.0	.1	8.8	.0	5.6	.0	.0	3.2	1.5	29.0	.0	36.6	.0	693.6	
12501	1515.8	122.4	11.2	1.8	1120.2	9442.0	1939.5	7.4	.3	5.5	25.2	1.2	.0	1.0	1.0	2.1	29.4	.1	37.8	.6	732.4	
12801	4860.4	42.3	112.7	1.0	3169.5	21961.8	20119.9	18.4	51.7	5.4	2.0	.0	1.6	4.6	1.8	.6	17.0	.0	66.6	2.2	2589.7	
13801	558.5	38.8	45.7	1.1	1102.1	3759.3	3535.8	13.5	5.2	6.4	.0	.0	1.6	1.7	3.8	.0	9.0	.4	22.8	1.0	856.5	
21301	5571.0	11.0	166.2	.1	3873.0	30990.1	17563.4	190.3	.7	10.0	.0	4.0	.0	2.3	5.2	3.1	9.2	.0	87.8	3.4	1932.5	
21501	1988.8	3167.5	201.2	.0	1844.9	7700.7	14996.8	215.2	.6	9.1	17.3	.3	.5	1.9	1.5	3.1	39.6	.0	47.5	2.0	1033.7	
21502	2322.0	1535.9	53.1	.0	1142.4	3796.5	10276.4	237.4	.0	46.5	.0	.0	1.0	.0	2.9	1.6	30.1	.0	23.3	.3	177.3	
21601	2275.7	104.8	9.9	.0	1220.9	4362.2	13799.1	89.5	23.5	9.3	.0	8.3	1.5	1.5	3.3	1.8	36.2	.0	28.2	1.0	780.1	
21801	1907.3	156.9	7.8	.6	2662.2	20341.4	7432.0	16.5	.0	2.3	.0	8.7	.1	.0	4.3	4.0	19.4	.3	69.2	1.1	2075.4	
21901	1613.4	142.9	79.0	.0	447.1	3768.3	1425.2	18.6	6.0	11.7	3.7	.0	.1	.6	5.5	4.4	14.4	1.2	25.7	.1	251.6	
21902	1668.8	161.1	79.0	.0	490.0	3875.0	1439.3	14.6	19.6	16.7	3.5	.0	.0	1.2	.3	3.1	14.3	.0	33.7	2.0	246.6	
22001	1702.0	41.6	38.3	.0	1367.8	13698.5	2039.2	22.0	334.2	14.4	.0	2.9	.0	2.3	2.9	1.8	42.1	.0	165.4	1.2	324.6	
22002	3293.3	26.1	52.5	1.2	1722.1	36737.3	44599.8	18.2	467.8	52.0	9.0	.0	2.2	2.6	4.3	1.7	26.0	.0	230.9	1.5	624.8	
22101	2135.8	184.7	86.0	.2	720.2	7443.1	4303.8	7.0	11.5	7.4	9.3	4.0	2.5	.6	6.6	1.6	7.3	.5	37.8	1.3	568.0	
22601	1460.4	157.8	259.9	.7	659.5	6202.1	1840.9	34.2	2.3	8.2	8.1	.0	1.4	.0	1.6	.0	14.1	.5	22.8	.7	368.0	
22602	2087.5	237.5	262.8	1.8	643.6	4104.5	2013.0	6.4	30.9	25.4	.0	7.9	.0	.0	.0	.0	16.4	.2	18.5	.3	280.8	
22701	704.2	186.9	279.6	1.7	534.0	1806.7	1477.5	51.0	184.6	44.0	17.6	4.9	.0	1.5	1.0	2.4	11.4	.4	9.4	1.3	365.6	
22702	1500.7	496.6	196.6	3.3	712.1	2741.7	1700.0	60.2	42.0	104.5	10.1	4.6	.0	1.2	1.6	3.4	19.6	.0	15.0	2.1	225.0	
22801	529.6	22.2	25.7	1.1	644.0	2955.1	1613.4	19.2	10.8	21.7	15.2	.6	.8	1.3	.4	1.0	10.6	.5	11.4	.7	332.8	
22901	1519.8	149.8	1329.6	.7	700.0	2440.8	8394.2	94.8	34.0	1841.9	16.5	4.4	1.1	.0	1.8	1.5	23.8	.5	15.4	1.0	523.6	
22902	1471.5	86.8	230.8	.2	796.2	3455.3	1962.7	18.5	203.4	26.4	.0	4.8	.2	.0	.0	.6	14.6	.0	15.1	.1	387.2	
23001	1068.9	68.8	163.7	.4	715.8	3267.1	1869.1	41.1	15.0	41.2	6.1	12.8	.0	.4	.0	2.7	21.6	.0	15.1	.1	276.4	
23101	1452.4	12.9	22.5	.2	1063.9	6887.5	2619.9	12.2	9.5	105.5	8.4	.0	.0	.9	1.8	3.4	39.1	.5	39.0	.7	931.0	
23102	1191.7	82.7	135.8	.0	763.3	3209.7	1684.9	38.3	38.6	86.9	19.2	3.3	2.7	1.6	1.6	3.5	17.9	.0	13.9	.1	465.0	
23104	1967.7	339.1	268.9	1.1	362.1	1969.7	8137.6	114.0	6.2	25.2	.0	5.9	.6	3.8	1.0	.3	23.0	1.2	14.3	1.0	321.1	
23301	1319.5	37.9	104.2	.2	602.5	4043.1	5488.4	32.4	38.6	36.7	.0	5.6	1.8	.0	4.6	2.1	15.0	.0	17.2	.1	382.4	
23501	2013.0	238.9	108.0	.0	334.0	1599.3	8467.7	32.8	.0	19.8	.0	.3	.0	.0	2.5	2.8	16.5	.0	10.4	.1	130.1	
23601	1420.2	132.9	198.5	1.8	880.0	3928.4	1741.2	15.7	36.1	28.5	.0	16.4	.2	.7	.0	.9	13.5	.0	16.0	.6	426.5	
23602	1966.7	228.5	356.9	.7	850.4	4235.4	1594.3	33.4	87.0	8.4	3.6	3.4	.0	1.3	3.3	1.2	9.6	.3	13.9	.0	237.8	
23701	1654.7	121.5	186.4	1.2	573.1	3118.1	2049.2	93.7	92.0	30.9	.0	.0	.7	3.0	1.7	.0	24.4	.0	17.3	.5	313.6	
23702	1187.7	53.9	108.5	1.4	488.3	4133.7	1293.4	3.4	391.8	25.8	.0	.4	1.0	1.2	.1	2.7	22.1	.0	20.5	.9	382.0	
23801	1664.8	458.8	149.3	1.1	233.7	1071.9	1239.0	183.4	17.4	134.0	.0	1.2	.0	.4	1.3	2.7	22.2	.9	9.2	.9	160.3	
23802	2489.1	206.8	300.5	3.3	443.1	2775.9	1677.8	7.3	7.8	20.6	.0	.0	.8	2.1	1.6	3.4	12.3	.0	14.3	.6	534.1	
23803	2449.6	267.2	113.6	.0	195.5	1472.5	1420.2	30.6	7.0	37.8	.0	5.9	.1	.0	.0	5.4	5.6	.0	8.2	.0	.0	
23804	1914.7	412.2	146.7	1.9	251.6	1165.5	1175.6	65.4	13.4	42.4	.0	.3	.0	.7	.8	2.3	23.6	.2	9.3	.6	249.4	
23805	2300.9	252.7	125.9	1.1	136.3	4431.6	1533.9	22.7	3.7	32.8	.0	.0	.7	.8	1.3	2.4	7.0	1.2	20.7	.0	197.0	
23806	1423.2	35.0	164.6	1.8	610.3	4302.8	1658.7	6.4	17.5	30.7	2.6	3.6	.0	1.7	2.3	1.5	15.9	.2	21.2	.9	433.2	
30101	1526.9	117.7	46.3	1.8	508.2	2653.1	1603.4	23.7	2.2	17.5	9.4	4.1	.0	4.1	1.3	1.1	19.0	.2	20.3	.0	382.2	
30102	1352.7	89.8	64.1	1.8	694.3	3485.5	1936.5	22.7	42.1	22.8	16.0	4.7	.0	.0	.0	1.3	16.4	.1	16.2	.3	466.8	
30103	1405.1	187.5	133.4	1.4	397.4	2494.1	1130.3	35.5	5.4	11.2	.0	4.9	.1	1.9	.3	1.6	11.4	.0	21.0	.9	281.0	
30104																						
40101	1728.2	41.6	27.7	.0	978.6	6287.6	2283.7	18.2	.0	11.5	6.3	5.8	.0	.9	1.1	3.6	11.0	.1	31.0	.7	275.2	
40102	618.8	.0	5.5	.0	735.7	4795.0	1166.5	.0	42.0	3.8	.0	3.4	.0	.0	.0	1.6	18.0	.0	31.8	.0	445.4	

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
40201	5005.3	27.9	3.5	1.2	1705.0	6469.8	3720.0	3.3	108.6	16.3	9.7	.0	1.5	1.7	3.2	.0	37.2	.0	28.4	.0	1455.4
41201	5844.7	35.0	8.0	1.2	8221.1	43420.4	5687.7	.8	2.4	13.2	13.1	.0	2.2	4.6	6.3	1.2	273.2	.0	497.2	3.7	667.5
41202	2203.2	95.3	6.7	.0	2278.7	12520.9	11715.7	31.1	45.3	16.3	.0	2.1	.9	.3	.0	.0	39.6	.0	112.5	1.2	2556.5
41203	598.8	19.1	11.3	.0	690.6	5065.7	3019.5	1.1	5.6	14.7	.0	6.3	3.5	2.5	3.0	1.6	19.7	.4	34.4	.7	748.8
41401	2268.7	48.0	393.5	1.1	603.0	7223.7	1902.3	6.2	61.9	37.5	.0	.0	.2	.0	.1	.0	28.5	.4	27.5	1.6	243.0
41501	2021.1	115.7	418.2	1.1	569.5	3841.8	1744.3	36.6	34.1	43.0	.0	.0	.0	1.7	1.3	2.6	307.9	1.2	23.5	.1	312.9
41701	674.6	11.2	4.5	.0	689.3	4306.7	1148.4	.7	35.3	3.5	6.9	11.1	1.5	.3	1.7	2.3	18.3	.2	34.1	1.0	722.2
41801	1218.9	103.2	117.7	.0	1062.9	4336.0	1511.8	9.4	56.5	13.3	6.8	1.0	.9	2.5	1.6	.0	24.8	.2	30.4	1.0	356.7
41901	2434.7	157.0	25.7	.7	680.2	21700.1	2635.0	62.3	.2	13.2	2.8	10.8	4.9	1.2	2.4	2.0	53.2	.1	42.3	.1	810.1
42001	4375.3	56.1	13.0	.1	2080.4	4978.1	3203.7	42.2	.4	21.1	2.0	.0	.0	1.0	.7	4.5	39.2	.0	31.8	.0	603.5
42301	1906.3	3922.3	63.6	1.2	634.3	14101.1	1624.5	38.3	2.0	5.5	7.9	3.8	2.2	3.4	2.0	.0	41.9	.0	27.0	.0	446.4
42501	1925.4	180.2	307.8	3.2	837.9	4811.6	5558.9	31.4	7.1	10.0	19.3	.8	.0	2.9	.0	.7	47.1	.1	25.0	.3	671.4
42601	4331.0	15.1	10.1	.0	2603.8	10155.6	4812.1	12.3	33.9	21.1	.0	10.9	.0	.7	.2	.0	481.3	.2	83.4	.7	1058.8
42602	1715.1	105.7	46.2	1.8	857.6	5367.7	5623.3	6.0	2.1	9.2	8.9	.1	1.5	1.2	.0	4.1	51.5	.2	26.4	.0	752.6
42701	4213.2	.0	.0	.1	2794.0	8684.1	20462.1	11.6	16.7	52.9	3.6	.0	1.1	2.2	1.0	2.9	186.8	.0	47.7	.2	2986.3
42702	4035.1	28.8	51.9	.0	1500.7	7363.6	22726.8	75.5	6.8	23.8	3.6	.2	.0	2.7	1.7	1.6	186.0	.0	45.7	1.2	1326.6
42801	3493.6	23.3	291.4	1.1	473.3	5343.5	1659.7	66.4	5.7	6.8	3.6	.0	1.0	1.8	1.1	.0	17.9	1.2	27.2	.1	258.7
42901	2978.2	6.0	150.7	.0	2001.9	21710.2	4568.5	263.6	26.6	19.0	1.2	6.6	.4	2.2	.7	3.6	92.9	.0	128.4	.6	712.2
43001	2576.6	.0	7.6	.0	869.4	5810.5	1267.2	1.0	57.2	11.1	1.1	.0	3.3	2.6	.0	3.6	32.3	.9	22.2	.4	817.3
43601	3094.0	55.6	158.2	3.9	1133.3	19485.8	1504.7	11.2	.7	125.1	6.5	9.1	1.1	.9	1.8	.3	13.2	.5	55.5	.4	1260.1
43701	2024.1	.0	36.6	.6	1102.1	20099.8	1139.4	2.4	2.4	12.1	18.5	3.0	.0	.6	3.3	5.9	17.9	.4	103.8	1.0	388.0
50101	3407.0	18.6	38.9	.6	3532.8	22002.1	4646.0	1.0	7.4	6.2	.0	1.5	.0	1.2	.9	3.3	32.0	.3	204.3	.1	963.0
50102	1119.2	30.7	38.3	1.8	504.8	2673.3	1189.7	4.2	9.0	11.1	.0	2.9	.3	1.2	4.1	3.2	11.0	.0	23.4	.6	405.7
50201	755.8	6.3	25.5	.4	702.1	5285.1	1173.6	2.2	13.1	8.3	.0	.0	.0	.9	3.3	2.0	19.8	.1	34.1	.4	488.4
50202	3812.6	16.5	757.0	1.1	2741.7	27668.7	3296.3	330.0	19.8	13.8	.0	.0	2.2	1.3	2.4	1.1	62.0	.4	202.8	.1	1330.6
51101	1974.8	12.0	126.0	.0	530.8	3815.6	3492.6	1.8	2.7	18.6	.0	10.6	.2	1.8	1.3	3.2	6.6	.9	12.4	.9	782.3
51601	3008.4	27.9	9.2	1.0	2540.4	18227.7	2427.7	.1	42.2	25.8	1.0	10.9	1.0	1.4	.1	2.4	44.1	.0	198.0	.9	738.4
51701	1463.5	.0	.0	.0	679.2	2474.0	671.4	.0	.9	10.7	.0	2.5	.6	.8	.0	.0	41.5	.0	16.2	.0	165.3
52001	3969.6	12.3	2.3	.1	2711.5	10457.5	10236.1	.1	2.4	2.2	20.9	5.6	1.8	1.8	1.5	2.1	111.3	.4	76.7	.4	993.1
52801	1665.8	77.7	74.4	.0	484.7	3601.3	1100.1	3.9	32.6	4.3	.0	6.4	.0	1.5	2.1	2.2	29.3	.0	26.0	.0	48.4
52802	977.7	41.8	110.7	.0	558.1	4802.0	1618.5	64.2	9.7	3.0	.0	1.0	.7	2.2	2.1	.3	32.2	.0	23.7	.6	318.4
52803	1344.7	44.7	179.6	2.1	5163.3	50465.9	4654.1	59.1	3.2	163.2	10.4	2.1	1.8	2.2	5.0	.0	60.5	.5	134.9	1.9	3390.9
52901	933.4	70.0	72.6	1.2	513.4	3290.2	1127.3	9.4	.8	2.3	7.4	.0	.4	1.0	.3	.7	23.5	.0	13.5	.3	55.2
52902	1377.9	140.9	251.8	.6	558.9	2797.1	1013.5	37.7	3.6	12.9	.0	7.0	.0	1.0	2.9	.0	21.6	.0	16.8	.5	802.4
53201	1349.7	27.3	23.5	.7	776.2	6599.6	1199.7	2.1	18.8	188.7	9.6	2.1	1.9	4.7	.0	1.3	30.5	1.2	14.7	.2	648.3
53301	2534.4	93.0	72.3	.0	437.1	2360.2	1672.8	3.9	54.8	194.4	.0	3.3	.0	.4	.0	5.3	14.3	.1	13.5	.4	289.4
53302	930.6	21.7	47.6	.0	369.1	2431.7	3503.6	23.9	52.1	42.8	15.4	6.4	3.1	.0	1.9	1.1	12.5	.2	12.7	1.0	414.9
53401	1389.0	23.1	23.3	.0	715.1	6107.4	1336.6	.2	6.3	3.3	.0	.0	.0	.0	1.1	3.3	28.6	.1	40.9	.4	329.3
53801	2473.0	22.6	6.7	.2	686.0	6091.3	1494.7	.3	2.8	30.0	.0	5.9	2.2	.9	4.1	3.6	43.5	.5	48.6	.4	585.6
54201	590.7	.0	7.8	.0	509.9	2210.3	628.6	.0	.0	.0	.0	1.5	.0	.0	.0	7.1	9.9	.0	27.6	.0	.0
60201	2476.0	51.9	19.0	.1	605.8	4979.2	1907.3	64.9	17.3	118.8	.0	4.3	1.9	1.4	6.6	4.2	4.2	.3	27.0	1.1	283.1
60202	1507.7	270.5	33.9	.0	471.7	2813.2	1963.7	22.8	27.7	164.4	15.0	4.0	.0	.0	.4	1.6	12.4	.5	17.4	.7	437.6
60203	3203.7	28.6	47.4	.0	555.7	21045.9	1205.8	85.4	.0	38.4	.0	2.9	.0	2.3	.6	.3	6.9	.2	59.0	1.2	152.5
60401	1375.9	227.7	155.8	1.4	409.8	3458.3	810.9	26.2	15.0	147.3	.0	7.1	.3	1.8	.3	2.0	40.7	.2	11.9	1.2	311.6
60402	4442.7	215.1	51.9	1.6	2104.6	8758.6	3799.5	29.2	.7	54.0	7.4	8.7	3.4	1.4	1.6	.8	120.2	.5	70.1	.1	2157.9
60501	801.8	39.2	45.7	.7	515.0	2348.2	2351.2	5.8	78.9	8.0	3.9	.0	2.6	2.0	.2	.0	9.0	.5	22.9	1.6	421.1
60502	1424.2	84.6	38.4	.0	740.5	3994.8	1017.6	2.1	6.8	123.2	.5	10.3	2.0	3.0	.3	3.8	16.1	.2	13.1	.6	232.2
61201	1077.0	42.8	29.4	1.9	877.5	5086.9	2845.4	1.5	1.5	22.4	13.2	.0	.2	.1	.1	2.1	17.0	.2	64.0	.6	422.8
61202	1099.1	28.3	32.3	1.1	565.7	4769.8	1280.3	2.5	27.2	396.9	1.0	.0	.0	.6	1.6	.0	18.1	.0	33.4	.4	429.5
61601	4715.5	29.7	6.8	.2	842.7	9330.3	10850.1	2.1	26.7	10.0	2.1	7.2	2.5	.6	5.4	2.5	4.7	.5	30.3	1.9	959.3
61701	2059.3	23.4	9.2	.0	729.0	3886.1	7443.1	.0	6.0	3.2	.0	.0	1.2	.4	.0	3.5	11.4	.2	22.6	.0	1230.9
61901	986.1	27.3	61.0	1.4	259.5	3053.7	5006.3	20.8	3.3	.0	3.1	.0	.0	.9	.0	.7	4.2	.2	15.1	.6	208.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
62001	1028.6	45.7	371.1	.7	242.5	2100.6	640.7	64.8	342.9	75.5	13.6	.0	1.8	4.5	1.7	.2	9.2	.0	12.7	.2	241.7
62002	1829.8	39.4	115.3	.2	430.3	5124.1	795.8	20.1	4.4	6.0	.0	4.4	.3	.0	1.8	.5	9.9	.5	37.2	.1	298.7
62301	1762.4	88.7	38.4	.0	734.9	10497.8	1536.9	30.0	18.1	13.5	24.1	5.6	.7	.0	2.5	2.0	12.1	.5	37.1	1.0	370.1
62302	2407.5	127.6	46.4	1.9	468.0	7949.3	956.5	4.8	10.5	15.9	10.8	2.3	.0	3.8	.0	.7	19.4	.2	24.4	.3	348.3
62401	2207.3	59.7	47.4	1.4	857.5	11252.7	6599.6	23.7	4.1	6.4	.0	2.2	.9	.7	1.2	1.6	13.4	.2	32.6	.6	356.7
62501	1046.8	64.4	666.2	1.9	814.5	8725.3	2174.0	21.8	14.8	2475.0	.0	.0	.0	.0	1.6	3.1	4.6	.2	29.0	.9	211.8
62601	1298.1	17.3	14.5	1.8	675.0	4244.4	5364.6	1.5	4.7	1.7	6.9	3.5	1.2	.5	.0	.0	16.4	.0	33.2	1.1	468.3
62701	1288.3	216.2	30.1	.0	433.5	3425.1	2169.0	62.7	9.5	27.4	.0	.0	.0	1.0	.8	.0	10.8	.0	17.1	.5	336.7
62702	1227.9	21.6	21.2	.0	1153.4	8871.3	4607.8	37.2	32.8	19.5	.0	.0	.0	2.2	.0	4.6	31.5	.3	35.9	.2	695.8
62801	1618.5	435.1	161.1	.4	409.8	2285.8	2574.6	58.8	33.5	51.2	8.0	.0	.0	3.8	.0	.6	18.6	.1	15.8	.3	488.5
62802	7960.4	55.7	347.0	3.1	5618.3	36083.0	42977.5	7.4	58.6	65.5	4.8	3.2	3.1	3.1	6.6	.6	26.4	.0	241.3	11.1	2545.4
62803	2066.3	344.7	89.0	.0	527.0	2987.3	2358.2	194.9	69.2	65.5	34.8	2.0	.0	1.6	.0	.7	14.2	.1	17.0	.5	544.2
62804	1309.5	690.9	125.9	.0	710.5	2174.0	4901.7	378.1	20.8	130.9	.0	1.9	.3	3.5	1.0	3.1	25.4	1.2	17.0	1.3	770.6
62805	1124.3	324.2	9.1	.0	490.7	2363.3	2412.6	16.5	68.3	71.8	.0	7.5	.0	.6	.0	2.3	9.9	.0	14.1	1.2	380.0
70201	2136.8	62.6	54.8	.7	1113.2	9302.1	3632.5	18.9	4.0	8.0	.0	.0	1.0	2.6	1.7	.0	18.5	.0	90.4	1.4	421.3
70501	1820.8	83.4	45.7	1.8	716.0	2525.3	5379.7	8.9	1.1	19.0	.0	4.4	.0	1.4	.0	1.1	14.4	.3	22.1	.4	658.6
70701	1707.0	110.1	55.2	1.8	716.0	2525.3	5379.7	9.7	9.2	20.2	.0	5.5	.0	1.4	.0	1.2	14.6	.2	22.1	.0	587.7
70801	1962.7	217.1	90.4	1.9	1022.6	2724.6	6181.9	46.8	9.2	20.2	.0	5.8	.8	1.2	1.6	4.0	23.7	.2	28.7	.9	774.7
71101	2323.0	172.6	70.2	.2	506.7	3241.9	2535.4	12.6	53.0	138.3	6.1	6.8	.8	.0	.0	1.0	5.4	.0	17.5	.7	372.0
71301	2834.3	162.2	227.5	.0	799.4	5041.6	2351.2	32.1	10.0	558.3	.0	14.6	.0	.0	2.3	.0	91.7	.0	35.1	.3	302.6
72601	1916.4	168.7	359.4	1.8	989.8	2688.4	6205.1	47.1	22.1	1115.2	.0	5.0	.0	2.5	.0	.0	22.6	.1	28.8	.0	753.4
72701	2280.7	203.6	184.0	1.1	731.2	2286.8	3067.8	150.9	27.8	38.8	4.0	7.9	2.6	2.9	2.4	3.4	17.9	1.2	17.0	1.0	460.6
80501	2303.9	240.3	204.7	4.3	1052.8	8011.7	2580.7	27.4	.0	89.7	.0	.0	.0	.0	2.9	.0	11.7	.3	34.1	.0	322.2
80601	1347.7	317.9	272.2	14.9	426.1	2152.9	2243.5	11.4	.8	9.1	.0	6.8	1.3	1.3	.0	.0	13.2	.2	13.2	.3	337.6
80602	2347.2	105.8	153.0	.7	959.9	4640.0	7120.0	26.2	2.9	19.3	6.5	2.9	1.9	.3	1.1	2.2	12.9	1.2	37.7	.4	349.9
80603	2621.9	137.1	128.4	.0	719.4	4638.6	3227.8	16.6	10.9	10.0	4.5	.6	1.3	1.0	2.6	3.3	5.4	1.2	22.2	1.0	434.8
80604	1611.4	302.1	92.5	1.4	442.7	1912.4	13799.1	7.9	.7	34.0	.0	.0	2.1	.9	.0	1.0	7.9	.2	12.5	.6	435.5
80605	1108.2	71.9	61.0	1.6	300.0	2061.3	1195.7	5.4	31.2	7.4	.0	10.6	.0	.0	.0	1.9	9.9	.5	11.7	.1	122.9
80701	866.3	111.7	63.3	1.9	218.1	1576.2	753.5	16.5	73.3	15.6	.0	.0	.0	1.0	.0	8.9	10.8	.0	8.1	.6	200.1
81401	1347.7	53.9	18.7	.0	640.2	3683.8	7086.8	5.3	2.5	10.9	.0	.0	.0	1.9	1.0	3.9	10.6	.1	13.2	.7	352.6
81501	1610.4	283.0	155.7	1.8	667.4	3394.9	2283.7	43.5	15.8	26.7	.0	7.5	1.2	2.7	.0	1.7	8.8	.2	11.2	1.2	198.0
81701	1196.7	256.1	133.4	.0	339.8	1300.4	1285.3	30.2	9.9	29.2	.0	2.9	.1	1.0	.6	.8	7.3	.2	7.0	.9	325.0
81901	925.9	53.0	73.5	2.0	306.8	1949.6	1602.3	4.8	11.8	4.6	.0	1.4	.0	.0	.0	.0	7.6	.0	10.6	.0	76.8
81902	1294.4	129.7	178.6	1.9	300.3	2122.7	1210.8	10.8	18.6	232.3	9.8	7.2	2.5	1.2	1.8	3.6	6.9	.2	9.5	2.0	302.2
82101	3661.6	33.2	1.0	.0	634.8	3310.4	14976.7	11.8	2.7	.0	.0	6.0	.0	.0	1.4	1.8	17.9	.0	18.6	.0	362.5
82601	694.7	23.5	15.8	.0	139.7	1433.3	846.1	2.1	69.4	5.1	2.0	8.8	.2	.0	.0	1.0	8.5	.5	8.4	.1	143.7
82801	1746.3	103.3	107.5	.6	616.4	5149.3	1434.3	10.2	2.5	5.0	.0	.0	.0	.0	3.2	1.8	12.1	.0	17.1	.0	1002.9
82901	1290.3	136.9	261.7	.3	342.4	1281.3	853.1	24.5	42.8	24.9	6.7	.2	.0	.0	.1	2.4	9.2	.1	5.8	.4	765.8
90101	1093.9	95.5	79.0	1.1	1147.4	2726.6	9196.4	19.8	6.4	18.6	5.9	1.2	3.1	2.6	.0	3.4	11.3	.9	15.3	1.0	765.8
90102	1344.7	203.3	359.8	.2	686.0	2095.5	3005.4	41.5	2.1	31.5	4.4	2.9	1.2	.0	1.9	.7	9.9	.5	10.0	.1	443.1
90301	1056.8	341.2	43.5	.7	541.9	1308.4	5522.7	53.3	4.1	29.8	2.0	1.6	.0	.7	.0	.0	12.9	.6	9.8	1.0	384.1
90401	998.0	392.6	66.5	1.4	577.8	1179.6	5624.3	54.0	.0	26.3	6.2	2.9	3.4	3.2	.0	.8	14.6	.1	12.1	1.5	472.7
91401	1045.8	254.6	116.0	1.3	1004.8	1910.3	4456.8	65.3	91.8	39.9	8.7	56.6	1.0	.1	.0	.0	5.6	.0	7.9	.3	625.0
91901	891.7	318.0	10.1	1.2	233.1	1203.8	7266.9	23.3	.8	34.3	27.6	.0	.4	2.7	3.6	.0	5.6	.0	10.8	.5	343.0
92601	1119.2	428.8	80.9	1.3	605.6	1249.1	7259.9	68.7	1.6	28.1	6.2	.0	.7	2.9	.0	.6	16.2	.1	10.8	.5	328.7
93701	3746.2	45.4	1.1	.0	800.4	3451.3	14845.9	3.9	1.5	2.4	4.4	.9	1.7	.3	5.7	1.1	9.8	1.2	20.2	.0	472.4
93702	3135.2	315.8	10.0	1.3	496.1	2585.7	6953.9	15.6	1.5	3.1	.0	8.2	.0	1.6	2.3	3.3	19.3	.1	17.6	.2	384.2
100101	1274.2	345.8	63.3	.0	688.9	4014.9	8750.5	43.6	.0	26.0	.1	7.8	.2	1.4	2.1	2.6	22.8	.2	56.5	.9	404.7
100102	894.7	260.9	47.7	.0	932.7	2020.0	9623.1	103.2	4.3	31.6	.0	4.6	.0	2.6	.0	4.5	28.6	.1	14.1	1.3	373.7
100201	570.7	241.9	83.6	1.2	731.0	1610.4	9163.2	114.9	.6	26.8	.0	.0	.2	1.0	1.9	.0	24.4	.4	17.1	1.5	414.4
100301	919.8	269.0	293.2	2.5	835.9	3543.9	7200.5	24.1	576.7	1360.8	64.6	10.0	4.7	.6	1.3	1.0	11.7	.4	13.8	1.6	412.9
100302	766.1	244.8	150.3	.1	1044.7	1146.4	10819.9	81.1	3.2	34.4	.0	1.9	2.7	2.5	3.8	4.5	12.1	1.2	11.7	1.4	309.4
100401	644.5	743.5	1558.1	1.9	801.3	916.6	7859.8	203.4	16.8	53.2	12.9	1.4	3.2	2.5	1.2	2.4	18.7	.0	9.0	1.2	199.7
100402	667.7	438.6	63.6	1.2	632.3	584.9	6102.4	14.1	19.4	28.0	11.1	.6	1.0	1.3	3.6	.0	5.0	.5	5.8	.4	156.7

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K	
100403	600.6	638.6	987.7	1.5	723.6	971.7	8482.8	149.3	2.7	35.2	19.3	5.8	.6	2.1	.0	.4	19.5	.1	8.8	.1	260.3	
101401	2588.6	101.4	61.5	2.6	1218.9	25051.8	19918.6	73.6	1.1	6.5	9.0	8.0	.0	4.4	2.0	.7	44.7	.0	430.3	.5	720.1	
101402	366.4	235.7	155.4	.0	389.0	933.4	3693.9	23.3	45.1	64.7	.0	.7	.0	.2	.0	1.8	8.0	.0	6.0	.0	110.0	
102101	999.1	438.6	110.7	1.4	671.5	1108.2	5052.6	49.3	.5	38.2	.0	5.0	.0	.0	.4	3.4	11.6	.2	9.4	.9	251.4	
102901	705.2	379.1	85.9	.7	928.5	1377.9	7617.2	61.4	9.2	80.2	.0	.0	2.8	.0	.2	1.4	23.9	.2	13.7	.7	545.5	
103201																						
103202																						
103701	1794.6	280.7	.9	.0	732.7	2531.3	14755.3	31.1	.0	9.9	4.6	11.2	.0	1.0	.0	5.1	24.2	.4	23.3	.4	507.1	
110101	365.5	283.2	22.6	1.9	886.7	930.0	10125.4	23.0	4.3	19.1	.0	.3	2.3	.0	.0	2.4	3.1	.0	13.6	.0	270.8	
110201	652.8	104.2	36.8	1.2	820.2	1921.4	7960.4	8.8	5.4	28.4	16.7	.0	.0	.0	1.6	.6	8.2	.5	15.4	.4	715.5	
110301	649.3	101.2	26.1	1.4	672.8	937.8	6531.2	20.0	.0	15.9	4.2	3.8	.0	5.1	1.4	.1	4.4	.2	9.1	.0	292.2	
110601	528.1	144.5	46.3	.6	1004.1	2373.3	7349.5	27.0	6.7	27.1	.0	7.5	.4	.0	.2	3.2	6.5	.3	12.1	.2	706.8	
111101	625.0	164.8	32.6	.0	694.7	926.7	7528.6	34.0	1.9	29.5	.0	2.0	.0	2.3	.0	.0	7.6	.0	11.1	.3	405.9	
113001	552.4	95.8	16.5	.0	377.7	560.0	3705.9	3.8	882.7	130.1	.0	31.2	.0	.0	.0	9.0	1.4	.0	4.3	.0	.0	
113002	327.0	14.1	7.9	.0	857.9	2414.6	5471.3	4.9	29.3	9.9	.0	.0	.0	.0	2.9	1.0	2.8	.0	17.1	.0	403.2	
113501	297.6	108.7	19.1	.3	200.8	522.0	1652.7	28.9	29.3	41.7	5.4	.0	.0	1.5	.0	.6	5.3	.0	3.4	.0	150.2	
114101	1580.2	31.5	36.8	.7	3646.5	18620.3	11896.8	50.7	127.7	190.7	11.0	.0	4.0	1.1	3.3	.0	142.8	.1	62.2	.7	4671.2	
114901	372.8	55.7	110.4	1.1	1455.4	2826.3	13990.3	16.8	11.8	27.4	5.9	.0	.0	.7	1.6	.0	6.6	.5	12.5	.7	619.2	
114902	244.0	52.3	34.5	.7	1537.3	2083.5	12832.9	6.2	1.7	13.4	7.0	7.1	1.8	.2	.2	.4	3.9	1.2	12.9	.1	413.9	
114903	571.0	116.6	93.9	1.6	1951.6	1700.0	14755.3	94.6	25.9	25.1	.0	.0	.0	.0	.0	2.0	3.3	.0	270.9	.0	270.9	
114904	567.3	95.3	99.4	1.4	1608.4	1672.8	12500.7	30.6	65.7	39.8	.0	4.8	.3	1.9	.0	4.6	4.0	.2	11.6	.9	459.6	
120101	534.8	206.3	36.1	.0	654.6	578.6	5065.7	14.9	.8	257.8	9.5	9.2	.1	2.5	.0	2.7	10.6	.0	5.6	.6	254.8	
120102	435.2	113.9	41.2	.4	599.8	514.9	4793.0	13.1	11.2	22.3	5.1	1.3	.0	.7	.0	4.3	9.2	.1	5.3	.4	183.1	
120103	443.5	165.7	70.3	.0	564.9	760.8	5305.3	15.1	81.0	31.4	9.3	1.3	.6	1.8	3.3	.7	7.0	.9	6.2	.0	214.7	
120104	353.3	122.2	90.5	.7	596.4	486.0	9083.7	13.5	1.9	14.2	21.6	6.4	1.8	1.2	2.2	1.8	5.4	.9	4.9	.0	227.5	
120105	866.3	160.8	46.2	1.8	772.7	2066.3	7870.8	7.4	8.6	16.5	.0	3.2	.0	1.5	.2	1.6	7.6	.2	11.1	.0	375.0	
120106	465.4	117.2	79.1	1.2	585.3	624.6	5067.7	16.8	1561.1	110.1	9.9	3.0	3.5	5.4	.2	2.0	10.8	.0	5.6	.5	257.4	
120107	789.4	185.1	63.4	.0	806.5	1492.6	6524.1	10.6	93.1	44.4	4.6	5.2	.8	.0	.0	1.3	8.1	.2	10.3	.7	495.8	
120108	206.5	72.1	35.1	1.9	739.8	1259.1	6267.5	11.8	205.0	51.8	.0	.0	.0	1.4	.0	2.3	7.3	.2	10.3	.3	553.0	
120109	412.5	144.2	63.4	.2	551.5	440.4	4692.3	9.8	6.3	33.2	.0	.0	1.9	.6	.0	1.7	5.1	.5	4.6	.7	306.3	
120110	557.7	127.1	45.2	.0	653.0	1415.1	4696.3	18.5	.2	14.4	.0	5.2	.5	1.2	.0	2.1	5.5	.0	8.6	.9	141.2	
120111	380.9	103.4	24.8	.0	488.4	626.7	3899.2	7.9	227.8	30.2	.2	6.3	.1	2.0	1.4	3.8	8.8	.2	6.3	.9	150.9	
120112	403.2	186.8	19.0	1.2	529.1	855.9	5349.5	3.3	353.8	121.0	9.2	.0	3.0	3.2	4.2	.0	4.5	.0	8.4	.5	119.4	
120113	578.1	170.6	70.3	.7	739.8	710.6	5560.9	18.2	106.4	17.8	1.6	.0	.0	.0	2.4	.0	20.6	.4	8.7	.7	571.8	
120114	688.4	133.1	44.0	.9	748.2	2704.5	5871.9	3.4	.8	14.8	4.4	.0	.0	3.5	.0	.0	13.5	.2	13.3	.3	641.3	
121901	703.4	101.7	9.9	.0	1467.5	1534.9	12541.0	25.5	167.6	36.1	.0	5.8	.0	.0	1.6	3.0	9.9	.2	16.7	1.1	274.5	
122101	390.7	113.6	27.2	1.4	481.0	842.2	5294.2	22.8	6.7	13.1	12.4	1.5	.0	1.2	1.3	2.6	4.9	.2	4.9	.9	203.4	
122401	297.3	142.2	45.4	.0	397.0	631.9	3544.9	5.5	256.2	83.9	1.6	10.0	.0	2.3	.0	2.9	4.0	.0	5.0	1.0	62.7	
122801	521.3	48.7	36.7	1.1	272.1	1122.2	1518.8	7.9	.7	8.9	.0	.5	1.4	2.0	2.2	1.0	5.4	.9	4.3	1.0	352.7	
122802	728.3	34.0	4.5	.0	331.2	2149.9	2914.8	.0	.9	4.1	.0	2.6	.2	.0	.2	.2	2.2	.0	6.2	.0	299.7	
122803	433.9	59.9	74.6	5.1	227.6	940.6	2482.0	1.9	.0	4.2	.0	.7	.0	1.2	1.6	3.1	4.2	.2	3.1	.9	394.8	
123501	4303.8	.0	19.0	1.2	779.3	6554.3	3787.5	27.2	97.0	8.6	1.7	.0	1.6	1.9	3.1	.7	10.8	.0	38.3	.2	921.5	
123801	217.5	40.4	10.2	1.2	377.9	1450.4	2479.0	3.9	.1	2.5	.0	.0	.0	3.6	4.0	2.1	4.5	.0	4.9	.0	149.9	
124301	564.1	173.5	38.5	1.8	575.2	1725.1	5010.4	8.6	4.8	24.7	.0	13.6	.0	.4	.4	3.2	9.3	.1	10.5	.8	457.1	
124701	715.0	233.6	157.5	1.8	851.2	1264.2	7097.8	11.8	275.4	36.0	14.4	.0	.0	1.8	.0	2.8	9.3	.2	10.5	.5	120.9	
125101	200.8	60.2	52.4	1.2	154.1	342.6	1410.1	4.1	128.4	41.6	.0	.0	1.2	1.2	1.9	.0	4.5	.0	3.6	.5	120.9	
125102	244.8	42.3	150.6	1.2	235.1	556.2	1909.3	4.8	52.2	46.9	.0	.0	2.2	1.7	3.1	1.0	4.1	.0	3.0	1.2	129.2	
125103	328.7	80.3	38.4	.0	162.0	325.0	1367.8	2.1	82.9	18.2	.0	.0	.0	2.5	.0	.8	1.5	.2	3.3	1.2	94.2	
126301	534.5	62.1	20.4	1.4	807.6	1384.9	6238.3	8.6	9.4	14.2	2.5	.0	.0	1.0	1.3	.1	25.1	.2	11.7	.6	809.1	
140101	289.8	54.1	359.8	.0	626.5	729.9	5449.2	11.4	27.2	749.3	9.1	6.9	.0	3.9	.0	4.4	2.9	.1	5.4	.0	58.2	
141601	318.3	102.4	506.4	.0	235.2	548.6	1580.2	6.0	19.6	47.3	4.1	7.2	3.3	2.4	3.0	3.5	8.5	.2	9.8	.9	305.7	
141602	792.3	148.1	36.2	1.9	463.2	413.4	4075.3	3.8	66.6	7.5	8.3	3.8	.4	.3	.4	1.1	6.0	.2	5.0	.3	160.4	
142001	1099.1	230.3	351.3	14.1	418.5	2213.3	1784.5	18.4	20.4	6.2	.0	.0	4.2	2.4	.4	.0	22.6	.1	22.6	.7	856.8	
142201	1963.7	56.7	28.3	1.9	652.7	5345.5	1945.6	2.8	10.3	43.4	.0	10.1	.6	4.0	2.3	.9	35.1	.2	86.9	.0	742.9	

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
142401	542.2	25.6	11.4	1.9	144.7	608.7	554.8	3.0	6.9	3.5	.1	2.2	1.3	1.2	.0	3.6	6.0	.2	7.4	.6	162.0
142402	4048.1	12.5	7.9	.0	1859.0	4697.3	5045.6	.8	4.2	4.7	.0	.0	.4	1.6	2.2	.0	13.9	.5	48.0	.2	1510.8
142801	809.7	37.1	33.8	.2	693.0	859.8	5089.9	1.3	2.1	104.8	.0	2.4	.9	.0	1.5	.8	7.2	.5	6.1	.0	362.7
142901	674.3	34.7	45.6	.0	528.0	543.7	4365.2	5.5	51.6	7.6	.0	.0	.0	1.8	1.4	3.5	4.7	.2	4.4	.0	89.2
143201	502.2	77.7	105.2	1.3	296.3	451.1	1929.5	8.1	.0	4.9	6.4	4.5	.0	1.7	.8	1.4	5.5	.2	4.1	.0	140.1
143801	328.1	42.8	30.3	.3	483.7	1938.5	5181.5	3.3	35.0	13.3	18.9	.0	.0	7.5	1.5	2.9	5.6	.0	8.3	.5	197.9
143901	676.1	56.6	45.8	1.1	1485.6	1067.9	10467.5	7.6	39.0	4.6	16.0	.0	1.9	.3	2.6	1.5	10.2	1.2	13.0	.1	483.5
143903	506.2	43.3	23.3	.0	953.1	667.2	7810.4	7.2	77.7	13.9	8.9	10.2	1.0	.6	2.7	3.2	4.0	.4	11.4	.0	144.2
143904	626.7	58.0	63.3	.0	487.3	1040.7	5559.9	1.6	7.1	11.9	4.1	.0	.0	2.0	1.0	3.2	3.2	.1	7.4	.1	189.0
144301	275.6	53.0	23.7	.0	154.6	425.1	1486.6	.0	54.8	1.9	2.4	2.5	1.2	.0	1.0	1.2	3.3	.0	5.5	.0	154.0
144302	374.9	19.3	18.9	.6	216.6	367.6	1911.3	.8	17.9	8.3	.0	7.4	1.6	2.0	.0	2.6	1.9	1.2	3.2	.1	206.6
144501	1098.1	161.1	74.5	.9	435.8	1194.7	2786.0	1.9	125.9	13.6	4.0	7.5	1.3	.7	.0	2.2	6.2	.0	11.9	.6	295.4
150201	513.0	48.1	10.2	1.2	709.9	2701.4	5902.1	1.7	1.8	5.7	4.0	.4	1.3	.0	.0	2.2	4.9	.0	11.5	.5	315.2
150202	1037.7	68.9	71.0	1.3	823.8	791.8	7323.3	6.4	29.9	12.5	12.2	3.6	.0	.0	.0	.0	2.5	.0	7.5	.0	170.3
150203	1535.9	190.8	534.6	.7	761.3	1036.7	5441.1	4.0	106.0	38.9	9.8	12.0	.8	.8	1.7	3.8	3.6	.5	7.4	.7	371.1
150301	802.1	53.2	14.6	.0	854.6	1292.3	7192.4	.7	2.9	3.8	.0	.0	.0	1.2	.1	.0	3.8	.0	14.9	.6	232.9
151401	1027.6	68.3	118.4	3.2	1321.5	2432.7	8855.2	37.1	24.6	17.7	13.0	14.5	2.8	3.0	1.2	2.2	3.6	.0	10.2	.0	87.0
151601	657.5	39.6	25.5	.0	568.9	697.7	4878.5	2.8	8.0	10.9	.0	.0	.0	.6	.0	3.2	7.6	.2	15.0	.3	549.6
151602	687.1	24.5	1005.1	1.1	651.1	722.1	5060.7	10.2	.9	602.2	1.0	.0	1.7	1.1	2.4	2.8	2.3	1.2	9.2	.4	85.5
151701	888.2	23.0	34.4	.0	462.4	2060.3	4899.6	4.9	27.1	6.8	.0	.0	.0	.0	.0	3.1	1.4	.0	13.7	.0	286.3
151901	829.2	54.9	57.4	1.8	646.4	1027.6	4480.9	5.8	194.2	21.4	4.6	7.9	.5	3.2	2.4	.0	4.7	.0	8.6	.3	211.4
152001	493.2	33.7	11.3	.9	233.5	758.8	2136.8	.9	23.8	5.0	5.5	.0	1.7	.0	.0	.1	1.6	.0	3.4	.6	199.7
152501	760.3	25.3	37.3	.7	336.9	1622.5	4388.3	.7	3.3	26.6	.0	.0	.0	.0	.0	1.4	.7	.0	8.6	.3	211.4
152801	509.0	62.5	58.5	1.8	337.2	1291.3	4419.5	5.0	.9	13.4	5.6	2.4	1.4	.0	.0	1.0	3.4	.2	5.7	.6	63.9
153201	309.6	52.6	34.8	1.8	1398.0	1000.0	11615.0	4.8	.0	7.3	12.0	3.5	.0	2.1	.0	2.9	4.7	.0	12.3	.3	526.4
153401	529.0	21.6	7.8	.0	585.5	995.6	4722.5	1.6	10.8	6.8	.0	.0	.0	.0	.6	.5	1.4	.0	9.4	.0	.0
153402	546.4	22.3	7.9	.0	536.6	500.8	4844.0	4.9	23.9	7.6	.0	4.5	.0	.0	.0	.3	1.4	.0	7.3	.0	.0
153501	587.7	42.9	11.4	.0	299.9	611.1	2648.1	1.8	21.5	12.8	.0	.7	2.7	4.4	.7	2.8	1.5	.2	4.5	.9	94.6
153901	665.8	32.2	15.9	1.9	149.9	747.2	1200.8	.7	.0	.2	19.0	.0	1.4	1.9	.4	2.6	2.0	.2	5.5	.3	190.3
153902	677.1	20.2	25.8	.3	96.9	341.7	1299.4	.0	.8	.2	.0	.0	.0	.8	3.1	.0	1.4	.0	2.3	.0	38.6
154601	404.4	267.3	676.2	5.3	1869.1	3956.6	16405.9	43.9	1.1	20.4	.0	1.0	2.2	.0	.3	.0	15.4	.0	26.5	.3	623.7
154701	1447.3	45.1	20.4	1.4	1209.8	2090.5	6793.9	.1	11.4	3.3	.0	.0	.6	1.0	.1	.4	1.7	.2	7.6	.0	145.7
155101	648.0	36.7	8.0	1.2	402.2	1095.1	3807.6	.0	37.9	7.5	3.0	.0	.6	2.5	2.0	.0	4.1	.0	6.8	.2	149.9
155401	1682.9	47.9	106.0	2.6	1144.4	2896.7	6741.5	2.7	10.6	6.7	.0	1.6	2.0	1.7	2.9	2.5	7.6	.0	15.4	.2	464.3
155402	618.6	96.8	87.4	.0	1255.1	2120.7	8588.5	.0	50.0	21.0	.0	5.7	.0	.0	.0	7.6	5.6	.0	15.1	.2	.0
155403	341.7	60.9	89.3	1.4	541.1	991.2	3592.2	5.4	19.2	6.5	2.2	5.7	.2	3.5	.0	.7	3.3	.0	5.9	.3	257.0
156001	748.1	84.0	139.2	.4	630.4	789.1	4466.8	8.9	.0	2.7	2.0	14.8	.0	.0	2.2	2.0	5.8	.0	6.9	.4	95.1
156301	1277.2	55.3	54.6	2.5	387.3	2075.4	1699.0	2.9	157.8	8.7	.0	3.5	2.3	.8	.0	1.2	1.4	.9	11.5	.0	623.2
156302	1839.9	6.0	15.9	.0	291.1	8940.7	2106.6	1.7	5.8	2.6	.0	3.8	1.1	2.1	4.8	6.0	1.5	.0	37.7	1.2	455.2
156601	719.6	61.0	10.0	1.1	355.1	760.2	3746.2	1.6	1.3	3.8	.0	1.7	.4	.0	2.4	.0	3.5	.1	7.3	.4	202.1
156701	489.9	17.5	16.8	.1	592.9	5160.3	2658.2	2.3	27.0	2.9	.0	5.5	.0	.0	.8	2.6	.3	.3	11.6	.5	589.3
156901	397.8	36.8	10.3	1.9	485.0	802.5	3654.6	.9	25.5	4.3	9.8	4.9	.1	.5	2.0	.0	4.4	.2	6.8	.0	320.0
160101	647.7	13.7	12.1	.0	794.7	6022.9	3780.4	1.2	.0	5.0	.0	3.4	.0	.9	1.3	2.0	3.2	.4	42.5	.1	338.7
160102	1213.8	48.3	105.7	1.1	865.5	6838.2	5171.4	9.1	72.2	14.6	5.1	.0	2.1	3.5	3.8	.0	5.6	.0	10.4	.1	430.8
160103	1396.0	6.8	135.1	1.1	1360.8	26833.3	5612.2	43.2	2.9	6.0	.0	.5	1.8	4.0	1.1	2.5	11.7	.9	43.7	.1	1104.1
161201	766.6	66.8	54.7	.7	553.8	1787.5	5184.5	1.9	23.3	16.2	.0	.0	.0	2.0	2.7	1.6	2.7	.5	10.1	.7	334.5
162401	540.9	77.5	45.9	1.7	635.4	1678.8	5184.5	7.0	14.7	46.9	11.1	.0	3.0	5.5	1.7	.0	2.5	.0	8.5	.2	385.1
162402	663.1	138.5	99.2	1.4	817.2	1199.7	6646.9	6.6	12.3	10.0	9.5	3.3	.9	.0	.3	2.7	2.7	.0	9.0	.6	201.1
162403	531.7	105.8	108.2	1.1	583.9	2421.6	6100.4	3.5	121.6	13.6	.0	.0	1.8	2.4	1.3	2.7	1.9	.5	10.9	.7	329.6
162404	581.4	68.4	275.4	.7	457.3	1401.0	3751.2	2.7	21.8	20.2	5.8	.0	2.2	.8	1.3	.0	1.2	.4	4.8	.7	232.0
162701	575.5	87.9	134.8	.0	1069.9	1360.8	9153.1	3.5	24.1	71.7	2.9	6.6	.0	1.8	.0	3.5	.7	.0	12.2	.0	.0

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K	
163001	532.7	117.2	38.4	.0	680.5	485.3	5910.5	8.6	30.9	15.1	.0	3.7	.3	3.4	.0	3.8	1.5	.0	5.7	.9	232.5	
163401	564.4	26.1	12.3	1.8	227.8	2786.0	582.7	.9	64.7	14.8	.0	3.5	.4	1.4	.0	.4	1.8	.0	11.4	.0	165.1	
163601	880.3	72.7	133.6	.2	655.1	3342.6	3365.7	21.4	19.3	128.5	2.9	.0	2.5	.0	.0	1.9	.7	.5	6.8	.7	172.7	
163602	789.3	23.5	20.3	.0	254.9	1343.7	1060.9	1.5	63.1	93.9	.0	.0	1.0	.0	1.9	.1	.7	.5	2.9	.7	143.7	
163801	863.9	81.0	190.4	1.8	1062.9	4250.4	4480.9	3.9	24.2	28.7	9.5	6.2	1.2	3.4	.0	2.9	4.7	.1	17.2	.3	328.3	
164001	2359.2	22.2	10.1	.7	3200.7	20633.3	1541.0	26.8	3.0	4.6	5.9	.0	2.4	.9	.7	.0	42.6	.5	69.5	1.0	1584.2	
164401	411.7	11.8	32.7	.0	156.6	1998.9	698.5	1.3	40.1	361.0	.0	5.3	1.2	2.4	.3	2.7	4.7	.0	3.7	.0	95.4	
164801	971.9	10.1	81.2	.4	783.7	7496.4	3137.3	10.4	141.6	10.7	.0	.0	.0	.4	1.0	2.9	3.2	.4	34.8	.4	228.8	
165301	236.2	4.8	4.5	.2	838.6	13064.4	3885.1	.0	11.7	4.3	3.5	4.0	3.3	.5	.0	.0	2.9	.2	34.5	.1	363.3	
165701																						
165702																						
166201	820.0	87.5	110.2	3.6	556.3	3471.4	1694.9	1.0	6.3	9.7	9.2	5.7	.0	.2	.0	3.3	4.7	.1	11.0	.0	233.6	
166301	853.2	87.5	152.6	1.9	842.9	4972.1	4636.9	10.6	.0	4.0	.0	11.2	.0	.0	.0	.9	3.3	.0	37.8	.0	158.0	
166302	1062.9	39.6	107.4	.6	988.2	7864.8	4051.2	3.7	28.2	15.6	.0	4.0	.0	.0	.5	3.2	3.2	.0	41.4	.0	482.6	
170201	712.9	62.0	99.1	1.8	803.4	4527.2	3753.2	5.1	14.1	159.5	5.0	.0	.6	1.3	.0	2.7	3.3	.1	19.1	.4	492.1	
170202	1111.2	82.1	170.9	1.1	1046.8	5093.9	4773.8	2.1	61.8	4.0	1.0	.9	1.7	2.1	1.1	2.7	5.4	1.2	17.1	.1	412.9	
170203	607.8	63.2	58.8	1.9	799.7	4377.3	4222.3	3.4	4.8	15.5	7.1	2.9	1.7	3.0	.0	.9	4.0	.2	19.5	1.2	584.7	
170301	485.7	113.4	161.5	2.5	643.0	673.3	8142.6	6.6	7.3	1.8	7.0	.0	2.0	3.2	.0	1.2	1.4	.0	6.1	.5	295.5	
171401	753.9	105.2	149.4	.2	549.4	2105.6	3032.6	8.7	2.1	29.0	2.8	5.6	1.9	.0	.7	3.8	1.8	.5	26.2	.1	221.5	
171402	810.2	23.9	36.7	1.1	409.1	8758.6	3266.1	2.1	7.3	2.0	1.6	.0	1.6	1.5	.4	.0	.8	.4	45.1	.4	265.0	
171701	589.4	81.0	43.1	.2	1090.0	5894.1	6070.2	4.4	5.7	10.8	22.7	5.3	2.4	.6	1.1	3.5	3.6	.0	48.0	.0	888.5	
171801	482.2	35.8	27.2	.0	757.2	3780.4	4097.5	2.1	.1	3.3	9.5	8.0	3.1	.0	.0	1.4	3.6	.2	15.6	.7	362.1	
171901	768.5	71.2	47.5	1.9	1035.7	6484.9	3739.1	4.6	4.3	8.4	.0	.0	.0	.3	2.5	2.9	4.6	.2	36.1	.6	570.2	
172101	395.3	59.0	57.5	.0	996.3	4846.3	4489.0	7.7	13.2	8.4	8.7	3.2	1.7	.0	2.5	1.5	2.2	.0	19.0	.0	704.6	
172102	855.0	64.4	170.5	.0	1115.2	4057.2	5993.7	10.2	2.1	23.5	.9	.0	.0	1.7	1.0	2.7	8.6	.9	18.9	.4	402.2	
172401	1204.8	340.5	52.3	.0	937.7	3140.3	23562.2	30.0	2.1	25.1	.3	3.1	.0	1.7	.1	2.7	5.4	1.2	13.6	.0	355.3	
172402	593.0	62.5	119.8	1.4	723.9	2270.7	6009.8	5.8	8.4	381.4	.0	.0	.8	.1	.0	1.8	2.0	.4	10.5	.3	160.7	
172901	1143.4	66.4	177.1	2.5	1154.5	6249.4	5417.0	17.8	92.7	104.2	13.6	.0	2.5	.6	1.2	.0	11.7	.2	21.7	.7	917.6	
172902	1010.5	67.5	370.4	1.9	2439.8	17090.4	11051.4	64.6	12.8	50.7	.0	4.1	.0	1.9	1.5	.0	12.5	.0	83.0	.6	2813.2	
175001	911.8	104.0	75.9	.0	1584.2	2964.1	10577.7	2.7	10.6	38.9	.0	2.2	.0	.0	.0	.0	1.8	.0	34.6	.0	274.7	
180401	792.3	5.9	43.2	.0	1015.6	9805.3	6211.1	.0	7.9	.0	.0	4.6	.0	.0	.0	6.1	21.2	.0	20.0	.0	.0	
180402	1218.9	36.2	140.2	.0	1378.9	3989.8	8295.6	6.2	7.8	12.1	.0	1.5	.0	.0	.0	4.8	8.5	.0	19.8	.0	.0	
180403	355.5	53.7	18.5	.0	414.6	1145.4	3080.9	.9	39.1	8.5	.0	6.1	.1	.0	.0	1.5	1.6	.6	6.9	.0	.0	
180501	262.5	32.7	20.2	1.8	245.0	1126.3	972.7	.0	6.2	4.5	.0	1.3	1.2	.0	.0	1.8	3.4	.2	3.4	.6	322.7	
180502	504.5	1.5	117.1	.0	1724.1	10840.0	1599.3	1.6	.0	31.5	3.1	.0	.0	1.8	.8	2.9	3.6	.4	74.9	.1	353.8	
181201	546.6	96.7	63.3	1.0	756.0	2700.4	8365.0	2.4	29.4	13.3	13.3	.3	1.6	2.3	1.0	3.5	4.6	.2	15.9	1.5	477.5	
181202																						
181301	632.6	13.0	14.6	1.2	993.5	10155.6	7379.7	1.7	.1	2.3	.0	.0	1.4	5.2	5.4	.0	4.5	.0	58.2	.5	534.1	
181501	604.1	43.1	47.7	.0	1628.5	2013.0	12108.2	11.0	6.1	9.9	4.0	2.2	.0	1.1	3.3	4.1	1.8	.1	14.7	.4	470.7	
181801	624.1	48.6	11.4	.0	1175.6	1740.2	10216.0	3.2	.8	13.0	.0	3.0	1.1	1.3	.4	1.9	2.9	.2	15.2	1.2	411.2	
182001	1552.0	590.4	696.3	61.0	1006.5	6640.9	4911.7	19.4	76.3	49.6	16.1	8.1	.0	2.4	1.0	3.7	17.2	.4	22.2	1.5	763.3	
182002	573.5	311.8	236.1	16.8	620.1	1565.1	4359.2	9.2	36.0	57.5	.0	8.5	.0	2.0	.0	1.4	7.3	.2	12.3	.0	177.6	
182401	420.1	60.8	78.9	1.1	555.5	3162.4	3406.0	5.5	55.6	7.4	12.7	.0	3.4	1.2	.0	.0	4.8	.0	14.0	.7	338.5	
182801	1265.2	.0	118.6	.0	2157.9	11856.6	8212.0	2.5	4.1	142.1	.0	.0	.0	.0	1.4	2.4	18.3	.0	33.5	.0	1538.9	
183201	1043.7	61.5	1224.9	.0	816.2	7586.0	5683.7	15.3	48.7	16.6	3.2	6.5	.0	1.9	.0	6.2	4.0	.0	28.6	.0	278.0	
183301	569.3	18.1	61.0	.0	713.8	3482.5	2703.5	5.2	7.0	5.7	.0	.0	.3	2.1	2.6	.0	7.3	.0	9.5	1.2	581.2	
183302	1087.0	38.2	120.7	.1	898.2	4090.4	3777.4	11.3	19.5	17.8	.0	4.3	.0	1.6	1.6	2.2	5.0	.3	11.1	.0	219.2	
183303	315.1	17.5	27.9	.0	511.2	2721.6	2853.4	2.3	18.5	3.0	.0	.0	1.2	.9	2.2	1.3	5.4	.9	9.5	.0	247.6	
183901	149.3	35.8	20.3	1.9	209.2	1324.6	1725.1	.9	.0	10.6	.0	.0	.0	.5	.0	1.7	3.1	.2	6.4	.0	219.5	
184001	1081.0	51.3	36.2	1.4	1528.9	7349.5	3431.2	1.7	10.2	17.5	.0	3.4	1.1	2.3	4.2	1.9	9.4	.2	20.0	.9	809.1	
184101	491.0	17.8	99.3	1.1	2519.3	15248.5	4320.9	2.5	6.9	246.5	.0	.0	3.2	1.6	2.5	1.5	5.4	.9	41.4	.1	373.2	
184102	867.2	21.7	40.8	.2	1856.0	9216.5	3206.7	3.8	31.3	6.6	6.3	.0	.0	.0	.0	1.2	9.2	.0	32.9	.0	440.2	
184103	713.7	18.6	61.2	.2	550.9	6918.7	1503.7	2.6	2.7	18.2	.0	4.6	.9	3.9	1.2	2.4	6.9	.0	16.1	.0	786.0	
184104	540.6	49.9	42.9	.0	1054.8	3482.5	4169.9	1.5	21.4	45.8	.0	.0	1.0	1.2	1.7	2.9	4.0	.0	16.7	1.2	243.5	

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
185001	885.2	14.9	18.8	.6	898.5	13265.7	3121.2	1.8	68.0	8.5	.0	1.5	3.5	1.0	.0	3.8	9.0	.9	69.2	.0	775.0
185101	591.2	45.1	23.3	.0	543.8	955.7	4144.8	.6	.0	1.1	.0	.7	.0	1.1	1.0	2.5	3.2	.4	5.4	.4	114.1
185401	484.2	44.6	45.3	1.9	427.7	1432.2	1858.0	1.3	105.9	17.6	.0	4.1	.9	.8	.7	1.9	3.7	.2	5.4	1.2	440.5
185701	1933.8	54.9	32.2	1.4	3282.2	4769.8	29822.6	5.5	.0	9.9	.0	.0	.0	.0	.0	2.5	3.3	.4	31.0	.1	1067.9
186001	733.7	50.2	32.6	1.8	797.2	846.1	6384.2	7.2	21.5	9.0	9.5	3.1	.0	2.3	.0	2.2	4.3	.0	9.3	.3	387.6
186002	737.2	55.3	130.1	.0	963.5	1109.2	6832.1	.0	13.8	14.6	.0	.0	.0	.2	.0	1.0	2.2	.0	9.9	.0	21.7
186003	716.0	22.8	10.1	.4	1854.0	1172.6	12158.5	.0	5.3	8.6	.0	.0	.0	.0	.8	.8	3.3	.0	12.0	.0	378.1
186501	828.6	73.7	103.4	.4	646.1	983.4	4912.7	21.3	248.5	15.6	10.2	.0	.2	.0	1.7	5.8	2.3	.0	6.8	.0	234.8
186502	161.7	54.8	43.1	.0	407.4	496.9	3307.4	4.3	188.3	60.6	20.6	1.0	.0	.0	.0	1.5	2.3	.0	3.3	.3	32.7
186601	1116.2	19.6	98.4	1.9	1311.5	2655.1	8121.4	3.2	6.4	7.0	.0	.0	.0	1.6	1.4	1.4	12.1	.0	11.2	.3	958.4
186602	1015.6	15.9	34.4	1.1	770.1	1037.7	5572.0	3.3	27.1	10.5	.0	.0	2.3	.3	1.2	.7	5.8	.4	5.7	1.0	921.7
186603	2290.8	52.1	65.7	1.1	1110.2	2926.9	7113.9	3.5	6.0	3.6	.0	.1	1.8	.2	1.0	.0	7.0	.9	13.8	.1	1185.7
186604	1349.7	44.9	99.4	.0	1221.9	1505.7	7301.2	3.4	67.0	7.5	.0	3.4	.5	1.5	.3	1.6	12.3	.2	10.7	.6	373.3
186801	1278.3	27.9	31.2	1.0	1707.0	1083.0	10548.1	2.3	83.7	10.9	7.0	3.8	.5	1.5	.0	1.5	5.0	.2	16.4	.0	478.0
186802	1708.0	17.7	25.9	.0	1547.0	1989.9	8363.0	.9	415.1	15.0	7.2	2.0	.0	1.0	.0	.0	5.1	.2	18.5	.0	396.3
187001	902.8	10.3	14.7	.5	927.9	3080.9	5396.9	1.7	4.8	5.7	.0	.0	.0	1.6	.0	.0	5.8	.4	15.0	.4	697.6
187002	1487.6	23.9	18.9	1.1	1246.0	2665.2	8112.4	2.1	62.9	12.6	.0	.0	.0	.6	3.8	.0	8.6	.4	15.0	.4	298.3
187003	1494.7	32.2	36.7	1.1	1374.9	2751.8	7596.1	.6	6.3	7.4	.0	.1	3.2	.9	2.2	2.3	8.6	1.2	17.3	.4	682.2
187004	1712.1	31.4	16.9	.0	1005.1	1807.7	5458.3	.1	.0	24.7	10.1	1.0	.0	.0	.0	.3	5.8	.0	12.5	.0	538.5
187005	515.1	65.1	137.8	.0	390.1	718.9	3111.1	2.5	6.6	6.9	.0	4.0	.3	.0	2.3	1.3	5.8	.0	4.5	.6	232.1
187006	1310.5	32.3	24.7	1.3	2318.0	7515.5	8008.7	1.5	107.8	42.0	8.8	4.7	.4	1.2	.0	1.8	8.2	.1	20.2	1.1	748.8
187101	829.1	19.1	18.7	.4	987.1	2256.6	7024.4	.6	9.5	3.5	4.7	.0	.0	.6	2.4	2.3	4.0	.2	11.1	.7	623.5
187102	869.0	11.2	15.8	.0	1143.4	2211.3	6399.3	.1	55.5	6.6	.0	6.4	1.7	5	1.3	1.0	16.8	.2	10.9	.7	945.4
187103	523.2	19.1	9.8	.0	1526.9	2542.4	11041.3	.0	59.5	25.5	15.5	.0	.0	.0	2.2	1.3	5.4	.0	14.7	.0	911.8
190101	587.2	23.3	20.3	.0	1704.0	2268.9	4290.7	.1	69.4	133.9	5.1	9.2	.8	1.2	1.9	2.5	3.1	1.2	29.5	.7	879.0
190201	459.4	17.4	10.0	.0	743.9	7035.1	5179.4	2.0	12.6	3.6	21.2	.0	.0	3.8	2.5	2.5	3.1	1.2	9.4	.7	324.3
190202	492.0	41.8	47.8	.4	1080.0	892.7	8088.2	5.3	41.3	19.0	.0	.0	.0	1.3	1.4	1.2	5.8	.0	8.3	.7	447.5
190203	485.6	9.3	18.9	1.1	675.5	2258.6	5233.8	1.4	26.2	4.8	.0	.0	.0	2.4	.1	1.1	5.0	.5	10.6	1.0	461.9
191101	675.1	34.1	72.3	1.9	599.7	1870.1	2907.8	3.2	74.5	5.6	.0	.0	1.5	.1	.0	3.6	10.5	.2	6.7	.6	550.0
191701	1124.3	40.1	58.8	.0	1535.9	8782.7	4267.6	.1	3.2	8.5	.0	.0	.0	.0	.0	2.5	14.7	.2	54.9	.0	596.4
192201	642.0	29.9	91.4	.6	880.4	8380.1	1808.7	10.8	.0	3.9	.0	10.6	.0	.0	3.1	3.6	6.1	.2	35.6	.2	94.4
192202	444.0	13.8	10.1	.0	992.6	3160.4	5824.6	.0	2.7	15.4	.0	.0	.0	.0	.0	1.7	15.7	.1	13.1	.0	824.5
200101	444.0	22.3	11.3	.0	679.3	739.3	5339.5	1.7	32.8	110.7	.0	2.5	.0	1.2	.0	1.8	1.5	.2	7.9	1.2	274.4
200102	435.7	11.7	99.0	1.1	864.0	1972.7	7552.8	4.7	16.7	29.3	4.4	.0	1.1	2.8	2.7	.0	4.1	.0	11.2	.1	414.9
200201	762.2	18.7	103.4	.3	2813.2	2852.4	14151.4	9.7	248.8	37.4	6.6	11.2	.0	1.2	1.0	3.4	47.3	.0	49.7	.4	551.4
200301	940.9	15.3	253.1	.0	2828.3	3820.7	3579.1	10.0	164.2	25.1	3.8	3.9	1.7	1.1	3.3	3.0	46.0	.9	21.7	1.0	317.8
200302	3347.6	22.7	214.9	.4	4242.4	6371.1	4680.2	45.2	10.9	42.8	.0	.0	.0	1.1	2.4	6.4	30.1	.4	30.5	2.4	266.8
201101	3465.4	3.9	39.4	.0	5320.4	11514.4	1996.9	.0	6.7	5.2	.0	.9	.1	2.3	1.3	3.4	11.0	.4	30.5	1.1	1620.5
201102	2088.5	12.2	236.0	1.9	1290.3	8704.2	1783.5	4.8	306.4	15.1	9.5	6.8	.6	2.2	1.3	.2	10.6	.2	9.6	.0	1488.6
201201	919.8	32.3	107.2	.6	1404.1	4688.3	2565.6	4.1	15.3	184.7	.0	9.1	.0	.0	.7	4.5	5.8	.0	18.3	.0	359.9
201202	367.0	34.0	73.6	.0	684.3	2196.2	1956.2	2.1	40.8	3.2	.0	.0	.0	.0	.6	.2	5.1	.0	11.2	.3	179.4
201601	993.4	41.8	54.5	.0	1145.4	1299.4	8946.8	2.2	20.6	5.2	13.7	6.2	.0	.0	.0	3.3	3.7	.0	15.6	.0	168.6
201602	670.3	9.8	14.6	.0	1440.3	1790.6	14302.4	.3	.3	14.6	.0	.0	.0	.0	.0	2.1	5.1	.0	11.2	.0	359.9
201901	534.6	9.6	34.7	1.2	609.5	3843.8	4936.9	1.5	74.8	13.1	9.7	.0	.7	1.7	3.2	2.9	11.0	.0	11.8	.0	700.9
201902	2031.1	77.8	81.2	3.0	1331.6	2853.4	10397.1	4.1	6.5	2.6	.0	.0	1.1	3.5	1.6	2.1	2.9	.0	15.4	.2	489.9
202001	528.7	32.7	65.7	.4	1155.5	9683.5	2910.8	1.8	42.5	24.6	18.1	8.2	.0	1.4	1.1	.7	13.6	.0	12.4	.0	554.6
202101	2250.5	70.5	170.3	1.8	1655.7	6675.1	1534.9	17.9	64.5	4.8	.0	.0	.0	3.0	.0	3.1	9.9	.2	12.4	.3	1102.1
202201	96.2	3.0	15.8	.2	988.8	3298.3	8168.8	.3	173.8	45.4	.0	.0	1.9	.0	3.4	.0	1.8	.5	24.3	.1	610.4
202301	291.6	.0	39.6	.0	1220.9	3337.6	9381.6	.5	64.6	8.9	.0	.6	.7	.0	1.2	2.0	1.8	.0	19.4	.0	463.4
202302	143.4	1.0	37.2	.2	1340.7	2648.1	10266.3	.3	.7	8.9	.0	.0	.0	.0	.6	.0	.7	.0	19.6	.0	348.0
202401	690.6	1.6	3.4	1.9	575.3	852.4	5170.4	.7	2.2	4.7	4.0	4.9	1.4	3.1	2.6	.0	4.4	.0	9.9	.3	196.1
202801	717.4	10.7	10.0	.0	1101.1	2497.1	4659.1	1.0	5.7	6.8	8.1	4.8	1.1	5	.2	2.1	17.6	.9	8.7	.1	189.7
202802	667.5	27.0	10.1	.7	4053.2	8849.1	4982.2	1.4	10.5	9.8	.0	.0	5.3	4.5	1.9	.9	113.5	.0	157.6	.7	311.1
203001	535.5	43.4	23.4	1.1	399.7	1048.8	2165.0	5.1	10.5	9.0	.0	.1	.0	1.2	3.4	2.1	2.3	1.2	6.2	.1	214.8

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
10101	1087.0	128.9	134.3	1.1	1327.6	3283.2	3514.7	.0	290.3	23.9	.0	.0	.0	.0	.0	.0	8.4	.3	21.1	.9	669.2
10201	826.3	8.4	2.1	.5	823.3	5447.2	6289.6	.6	.2	.8	3.5	.0	.0	.0	3.5	1.0	17.4	.3	30.8	.0	791.8
10301	720.1	110.1	64.8	1.8	1106.1	8633.8	1731.2	10.8	1.4	7.2	.0	1.1	.0	.4	2.7	.6	17.3	.3	30.6	.0	584.2
10302	972.5	216.3	195.0	.0	958.9	2408.6	7181.4	39.3	.8	17.4	9.9	.0	2.2	.0	.0	.5	7.2	.0	15.8	1.2	421.9
10501	382.3	97.3	94.8	.0	2044.2	5927.3	8344.9	64.9	8.8	3.1	11.0	.0	.0	.0	2.3	5.0	12.9	.0	37.2	.0	1221.9
11501	1095.1	28.6	.0	.0	1502.7	3644.5	15802.1	.0	.5	16.8	.0	10.1	.5	1.3	.0	.0	11.4	.0	24.8	1.2	1273.2
11901	2356.2	484.2	572.7	9.1	1603.4	4218.2	3117.1	26.5	109.9	26.8	12.7	.0	.0	1.6	.2	1.8	12.6	.0	25.4	.3	1088.0
12201	3312.4	45.0	60.5	.0	13034.2	18651.8	68824.5	30.6	.0	.6	11.0	2.3	.0	.0	6.5	3.2	45.4	.0	153.7	3.4	5272.0
12301	829.4	25.6	256.0	.0	1273.2	4323.9	3154.4	402.2	46.4	49.2	.0	.0	.0	.7	.0	3.6	9.4	.0	24.7	.0	667.8
12401	690.6	8.9	4.3	.5	725.6	6886.5	3051.7	2.3	12.1	36.0	.0	.0	.0	.0	.0	1.5	18.2	.6	32.8	.6	433.6
12501	686.4	41.4	.0	.0	768.9	8387.2	1232.0	.0	2.8	3.1	.0	4.3	.0	.0	.0	1.3	18.4	.0	35.7	.9	553.7
12801	4607.8	26.6	68.1	.0	3565.0	21941.7	20613.1	.0	44.4	9.1	.0	12.2	.0	1.9	3.9	.0	22.2	.5	65.5	2.8	2754.8
13801	5569.0	10.5	170.7	.0	3381.8	32298.6	17231.3	18.4	3.7	2.7	8.9	.0	1.0	1.8	4.5	.0	7.0	.5	23.1	.0	505.5
21501	2072.4	4104.5	185.0	.0	1797.6	8528.1	13854.5	513.1	.2	13.2	9.5	.6	.0	.0	4.0	1.6	36.6	.0	48.4	.8	926.3
21502	752.6	563.1	19.5	.5	876.6	3332.5	9356.4	289.9	.2	34.1	.0	.0	.0	.0	.0	1.1	20.3	.6	21.3	.3	266.4
21601	1414.1	20.0	.0	.0	1108.2	3960.6	12752.4	5.6	3.3	3.2	.0	.0	.0	.1	.0	3.4	21.6	.0	24.8	.0	421.6
21801	1783.5	115.5	.0	.0	2519.3	22585.9	7613.2	.0	1.2	4.4	.0	.0	.0	.0	.0	.6	14.3	.0	72.4	1.5	1970.7
21901	1254.1	136.7	103.8	.0	415.1	5481.4	1256.1	28.4	1.2	9.3	.0	.0	.0	.0	1.7	.8	10.3	.6	34.0	.0	120.3
21902	1258.1	90.3	84.1	.4	435.9	5703.8	1296.4	9.4	38.4	20.1	.0	.0	.0	.0	2.6	.7	10.3	.3	35.2	.9	171.8
22001	580.1	45.7	195.0	.0	607.4	5864.9	1372.9	36.5	7.9	9.8	5.6	.0	.0	.0	.0	1.0	18.7	.0	54.5	.9	71.6
22002	2219.3	14.4	21.5	.4	1320.5	29289.1	2995.3	4.5	1411.1	188.1	.0	.0	.0	.0	1.5	.0	18.2	.0	205.1	.3	274.8
22101	1755.3	144.6	53.8	.0	768.4	5077.8	3890.1	8.5	6.1	7.4	6.7	.0	.0	.0	2.3	2.0	7.6	.0	22.8	.0	129.6
22601	951.4	108.6	123.6	.0	679.5	9980.5	1574.2	.0	1.7	8.7	.0	7.5	.0	1.2	.5	.0	8.2	.0	34.1	.3	444.2
22602	1572.2	324.6	609.6	1.2	481.7	3985.7	1672.8	237.5	37.6	44.8	4.0	4.0	.0	.0	.0	2.0	13.7	.0	17.2	.0	206.8
22701	581.9	211.0	286.9	.0	563.1	1945.6	1503.7	61.2	19.0	15.8	6.7	.0	.0	.0	.2	2.6	9.4	.0	9.5	.0	111.4
22702	1144.4	289.2	169.0	.2	551.0	2267.6	3371.8	6.5	87.2	128.9	2.0	4.6	.0	.0	.0	2.5	8.6	.0	11.8	.6	50.2
22801	138.1	40.3	95.4	1.0	609.8	2695.4	1484.6	74.8	11.8	29.1	.0	.0	.0	.0	2.1	3.4	9.6	.6	10.9	.3	31.0
22901	709.4	84.3	1353.7	.0	623.8	2369.3	5377.7	57.1	24.3	2616.9	.0	6.6	.0	.0	2.0	6.3	16.4	.3	13.2	.6	214.6
22902	1082.0	73.2	115.4	.0	661.7	3151.4	1722.1	.0	248.2	69.6	.0	14.8	.2	3.0	2.6	.3	11.7	.0	12.9	.6	491.7
23001	1418.2	22.7	151.1	.0	638.4	2910.8	1694.9	.0	16.5	41.6	.0	9.8	1.3	1.6	1.5	.0	15.2	.5	13.6	1.6	625.4
23101	978.3	66.4	23.8	.5	856.3	6725.4	1942.5	1.0	.0	24.0	6.6	11.4	.0	.0	5.7	1.3	18.2	.0	34.7	.6	904.1
23102	1310.5	140.1	227.7	.4	895.3	6375.2	1659.7	44.6	9.6	35.6	.0	2.4	.0	.1	.4	.0	13.5	.0	14.1	.0	.0
23103																					
23104	954.3	214.2	145.1	.0	274.6	1586.2	5374.7	71.8	5.6	16.8	.0	.0	.0	.0	.0	1.2	14.6	.0	11.9	.3	.0
23301	872.9	19.5	181.5	.0	576.2	4220.3	5232.8	52.5	61.2	42.9	.0	.0	.0	.0	2.2	.0	12.7	.3	17.0	.0	221.1
23501	1474.5	183.9	123.3	.0	209.4	1460.4	1510.3	104.0	6.5	98.5	.0	.0	.0	.0	.0	1.4	28.7	.0	8.0	.3	107.8
23601	1131.3	89.6	123.6	.0	746.0	3824.7	1550.0	.0	39.7	27.1	.0	5.0	.0	.0	2.3	1.3	9.7	.3	14.8	.0	244.9
23602	1894.2	213.4	213.0	.9	719.0	4284.5	1523.8	19.9	137.1	12.9	6.1	1.5	.0	1.6	.0	2.4	17.0	.0	13.2	.0	147.3
23701	1418.2	154.9	66.7	.0	548.5	2647.4	1866.1	43.1	17.4	47.2	12.4	.0	.0	.7	.0	2.4	17.0	.0	15.3	.0	147.0
23702	945.0	39.9	911.0	.0	471.8	4291.7	1138.4	.0	122.6	259.5	86.3	7.6	.0	.4	2.4	.0	23.8	.8	19.7	.0	438.0
23801	627.8	170.7	86.4	.0	176.1	1994.9	1213.8	12.5	74.6	202.9	.0	.0	.0	.0	1.6	1.6	8.3	.6	11.9	.0	22.9
23802	268.6	70.5	300.3	.0	346.8	2474.0	1508.7	18.8	32.9	13.6	.0	.0	.4	.4	.0	1.2	5.0	.0	10.8	.0	181.9
23803	1851.0	294.4	53.8	.0	239.7	1459.4	1329.6	16.3	23.9	217.8	.0	5.5	.0	.0	3.4	3.0	9.1	.3	8.9	.0	.0
23804	1559.1	193.2	70.5	.0	317.2	1693.9	1378.9	38.4	.7	7.4	7.4	9.2	.0	.2	.0	3.0	13.8	.6	10.5	.6	377.6
23805	1631.5	245.2	142.3	.0	72.2	7339.4	1680.9	.0	28.6	33.8	.0	.0	.0	.0	3.7	2.9	5.2	.0	33.4	.0	148.0
23806	1067.9	28.0	41.1	.4	525.7	4363.2	1477.5	7.6	117.0	27.0	.0	.0	.0	.6	1.9	1.9	12.4	.3	20.3	.0	188.7
30101	1497.7	81.3	21.2	.0	518.2	2879.6	1608.4	.0	4.5	20.8	.0	.7	.0	1.2	2.3	1.1	14.4	.8	20.6	1.9	562.7
30102	1317.5	68.6	42.6	.0	651.7	3138.3	1820.8	.0	67.2	24.3	.0	12.6	.0	1.6	1.0	.5	12.6	.0	14.3	.0	567.6
30103	1204.8	67.2	93.9	.0	404.3	3140.3	1246.0	43.0	4.6	7.1	6.6	.0	.0	.0	.0	.0	8.3	.0	24.9	.0	.0
30104																					
30105	1558.1	50.6	28.3	.3	890.2	5681.0	2062.3	4.7	1.2	12.4	.0	.0	.0	.2	.0	.6	8.4	.3	27.7	.3	97.8
40101	742.3	31.1	23.5	.0	692.0	5095.9	1140.4	.0	138.8	18.8	.0	.0	.0	.0	.0	1.9	14.1	.0	31.7	.0	607.3

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
40201	4732.6	22.0	2.0	.9	1793.6	6710.3	7195.5	.0	326.8	73.7	.0	9.7	.0	1.1	5.4	.0	29.3	.8	28.4	1.5	1830.8
41201	5672.6	4.9	27.8	.0	30.0	177.2	82875.2	.0	12.5	26.0	.0	2.3	.0	.0	.0	2.9	2.9	.0	1.6	.0	.0
41202	980.0	53.5	6.3	.0	1108.2	8607.6	11786.1	.0	10.0	6.8	.0	11.9	.0	.7	1.5	1.5	15.5	.3	75.9	.6	1105.1
41203	684.9	19.8	10.9	.0	731.0	5534.7	2850.4	.6	8.3	13.2	12.9	1.6	.0	.0	2.5	1.0	15.3	.0	33.7	.3	625.7
41401	225.5	21.3	194.3	.0	637.0	8340.9	1552.0	.0	61.3	62.6	.0	6.9	.0	1.3	2.2	.0	24.4	.6	31.6	1.3	704.1
41501	1474.5	106.9	241.1	.0	525.1	3391.9	1577.2	22.4	41.2	67.8	.0	9.8	.0	1.2	2.9	.0	192.2	.5	20.1	.6	460.7
41701	609.9	14.8	15.1	.4	604.6	4331.0	1006.5	1.0	50.5	67.8	.0	.0	.0	.0	.0	1.2	12.9	.6	29.5	.6	378.9
41801	1109.2	81.0	88.6	.0	976.3	4068.3	1395.0	.0	87.8	48.7	1.4	.0	.0	3.0	.5	3.0	15.4	.8	27.5	.6	69.9
41901	2417.6	104.4	14.9	.4	719.0	22565.7	2504.2	22.7	.6	9.8	.0	7.5	2.1	3.0	.5	1.3	17.8	.8	29.7	1.6	623.8
42001	4333.9	331.5	6.5	.5	1836.0	4654.1	2861.5	36.8	.4	19.4	.0	.0	.0	.0	1.7	3.2	37.9	.6	37.8	.6	681.9
42002	4240.4	64.2	17.0	.0	1481.6	4268.6	3442.2	.0	.2	4.5	.0	11.2	.0	.9	.0	.3	32.8	.3	32.5	.0	846.0
42301	890.9	3044.7	25.5	.0	717.4	4375.3	1736.2	.0	46.7	30.7	.0	12.5	.0	.0	3.6	.6	31.6	.5	19.6	1.2	653.3
42501	1018.6	33.1	104.4	.0	820.9	6167.8	5564.9	1.4	7.9	4.3	.0	.0	.0	.0	.0	.9	30.2	.5	22.5	.0	525.5
42601	4492.0	19.9	.0	.0	2822.2	10326.7	4572.5	.0	3.7	9.6	.0	6.7	2.7	1.1	2.5	2.0	355.3	.5	83.6	1.5	1296.4
42602	1034.7	43.2	45.4	.2	906.8	6446.6	5755.2	.0	3.2	34.8	.0	.0	.0	.2	1.1	1.0	36.3	.5	25.3	1.5	698.5
42701	4228.3	17.3	6.5	.0	2720.6	9532.6	16929.3	10.3	8.5	12.6	6.7	2.3	.0	.0	2.2	.0	153.2	.0	48.4	.0	2928.9
42702	3919.3	11.4	13.1	.5	1639.6	8813.9	19435.5	25.1	3.4	13.9	.0	.0	.0	.0	1.7	2.2	182.7	.6	52.8	.3	1239.0
42801	1631.5	34.6	164.3	.5	310.8	3756.3	1232.0	37.0	63.6	29.6	.0	.0	.0	.0	1.6	.0	10.9	.6	21.0	.0	69.6
42901	2770.9	6.1	119.5	.0	1895.2	21951.8	4122.6	118.2	1.4	4.7	6.2	.0	.0	.0	.0	.0	67.0	.0	125.5	.7	682.8
43001	2442.8	.0	.0	.0	889.6	5801.5	1234.0	.0	63.5	10.2	.0	2.2	.0	1.2	1.4	1.0	24.9	.0	22.2	1.5	617.6
43601	1662.7	16.6	25.6	.0	797.0	14624.4	1205.8	10.9	1.6	335.8	.0	.0	.0	.0	.0	.6	8.3	.0	37.7	.0	978.3
43701	1721.1	19.3	58.3	.4	870.3	19304.7	1074.9	21.5	20.4	348.6	.0	.0	.0	.0	.0	3.2	18.2	.0	100.3	.6	313.3
50101	3433.2	11.7	2.0	.0	3228.9	20774.2	8407.3	.0	17.6	16.9	.0	9.0	.5	3.3	4.4	.9	24.9	.5	194.1	1.5	1103.1
50102	967.3	100.6	95.0	5.1	363.1	2876.6	1172.6	5.1	3.4	5.1	22.7	4.1	1.8	2.5	4.1	.4	8.3	.5	16.5	.3	466.7
50201	877.7	12.4	25.6	.0	688.2	4929.8	1087.0	.0	12.6	6.3	.0	5.0	.2	3.2	.8	1.0	14.1	.3	33.8	.6	870.2
50202	3589.2	8.1	314.6	.0	772.9	5533.7	3559.0	121.7	15.5	47.5	.0	.0	.0	.0	.0	.0	40.0	.0	182.1	1.0	1245.0
51101	2353.2	8.8	92.9	.0	2846.9	23753.4	6608.2	13.3	42.4	9.6	.0	.0	.0	.0	1.1	2.2	7.6	.0	16.1	.0	1032.7
51601	3140.3	12.4	1.1	.0	548.3	2203.2	3036.6	.0	1.1	6.8	.0	9.0	.0	1.3	.0	4.4	41.6	.0	239.6	.0	809.0
52001	3825.7	7.9	.0	.0	3186.6	11514.4	5143.2	.0	9.8	5.4	.0	.0	.0	.0	.0	1.9	27.5	.0	14.1	.6	330.4
52801	1367.8	6.5	42.7	.0	522.1	3696.9	1067.9	.0	46.7	6.8	5.4	16.0	.0	1.2	2.6	2.8	84.7	.3	80.2	.9	733.1
52802	908.8	40.9	162.0	.0	565.7	5361.6	1745.3	99.7	12.9	1.6	1.6	.0	.0	.0	5.7	2.8	26.5	.0	24.1	.3	384.9
52803	471.4	17.5	41.1	.2	4971.1	40400.9	4072.3	43.0	3.2	141.4	13.3	.0	.0	.2	1.7	1.0	41.6	.3	125.6	1.2	2569.6
52804	156.4	26.8	81.8	.0	299.3	2002.9	1375.9	64.3	1.3	6.4	5.8	.0	.0	.0	.7	5.3	21.7	.0	13.7	.0	.0
52901	722.4	51.9	21.6	.0	505.1	3006.4	1404.1	6.2	6.8	11.4	.0	.0	.0	.0	.0	.9	14.7	.3	15.7	.6	615.0
52902	662.1	48.3	34.4	.0	547.7	3321.5	1069.9	12.2	2.9	11.4	.0	.0	.0	.0	.7	3.9	15.3	.0	16.5	.0	583.1
53201	1334.6	18.1	27.6	.9	743.2	6404.4	1118.2	.0	100.2	367.6	1.0	5.8	.0	1.4	2.4	1.8	22.8	.0	40.1	.0	460.2
53301	1792.6	79.6	57.6	.0	388.1	2328.0	1298.4	14.2	21.1	9.1	.0	.0	.0	.0	1.9	1.7	8.0	.0	10.1	.9	488.6
53302	617.4	28.0	23.8	.0	337.8	2269.7	4386.3	.0	1.8	10.0	9.8	1.4	.0	.0	2.6	2.8	12.4	.0	60.6	.6	402.5
53401	2138.8	50.6	38.8	.0	341.1	11755.9	1915.4	1.2	3.2	43.5	.0	.0	.0	.0	.0	.0	37.9	.3	45.5	.0	363.2
53801	1831.8	8.5	25.9	.0	585.6	6509.0	1359.8	.0	247.2	13.9	.0	.0	.0	.0	1.9	.0	8.6	.6	29.9	.0	174.7
54201	742.9	6.4	17.3	.0	678.8	2493.1	719.1	4.5	1.0	48.7	.0	.0	.0	.0	.2	2.7	8.3	.6	19.3	.0	.0
60201	1990.9	77.3	17.2	.0	426.3	3559.0	1646.6	50.1	1.0	284.3	.0	11.2	2.6	.8	1.5	1.7	6.4	.8	13.9	.6	574.9
60202	1082.0	209.2	17.0	.4	414.8	2490.1	1718.1	23.8	21.8	109.6	.0	7.8	.0	.5	1.1	4.2	4.5	.3	46.1	.0	35.9
60203	2024.1	22.1	45.5	.2	410.5	17533.2	949.0	.0	5.3	9.0	.0	.0	.0	.6	1.6	2.2	95.2	.6	66.8	.0	1877.1
60401	624.3	150.9	155.2	.4	297.6	2575.6	601.7	31.5	31.9	295.4	22.7	7.8	.0	.0	.4	3.1	25.0	.0	8.3	.0	120.1
60402	3660.6	200.8	71.3	.4	1883.2	8650.9	3756.3	29.2	5.3	80.0	.0	.0	.0	.0	1.9	2.1	13.0	.0	22.6	.3	251.8
60501	1069.9	133.6	164.1	4.1	587.0	2600.8	2267.6	5.2	7.6	99.9	.0	2.3	.0	.0	1.2	1.0	10.9	.0	13.3	.6	221.2
60502	1496.7	58.0	17.3	.5	795.1	4666.1	999.1	.6	1.0	8.1	.0	2.3	.0	.0	3.6	3.2	12.8	.3	55.4	.6	275.8
61201	797.6	17.7	23.8	.2	828.1	5398.9	4092.4	33.9	18.4	450.8	.0	.0	.0	.0	.0	3.5	11.8	.0	36.0	.0	233.0
61202	952.4	39.5	34.3	.0	567.4	5584.1	1615.4	27.6	4.9	19.1	18.2	.0	.0	.0	1.7	1.9	5.5	.0	27.1	.0	634.9
61601	3668.7	7.3	4.2	.0	705.9	6786.8	12269.2	27.6	1.5	3.0	.0	.0	.0	.0	.0	2.9	8.8	.0	22.1	.0	1269.2
61701	2041.2	24.6	10.6	.9	691.2	4114.6	11433.8	.0	1.5	3.0	.0	.0	.0	.0	1.5	3.0	4.9	.3	15.5	.3	337.8
61901	714.7	14.3	89.5	.0	277.9	3211.7	623.5	.0	90.7	7.8	.0	6.8	.1	.2	1.5	3.0	4.9	.3	15.5	.3	337.8

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
62001	376.9	24.5	101.3	.0	105.7	1045.8	316.0	85.5	88.6	6.4	.0	.0	.0	.0	2.6	4.2	2.0	.0	6.0	.0	.0
62002	560.5	33.1	31.9	.0	291.1	3422.1	593.5	14.8	3.1	2.2	.0	.0	.0	1.6	.0	2.7	4.7	.0	24.3	.0	.0
62301	1689.9	120.7	51.6	.0	623.8	14533.9	1872.1	14.5	19.2	9.6	17.5	.0	.0	.0	2.3	3.9	9.4	.0	48.7	.3	43.0
62302	3381.8	911.2	92.3	23.7	968.3	18439.1	1375.9	97.0	6.1	33.2	.0	1.8	.0	2.8	1.8	2.5	27.6	.0	50.3	.0	115.9
62401	1431.2	50.1	34.3	.0	693.9	9586.9	2742.7	12.5	2.5	1.5	5.7	.0	.0	.0	4.2	3.0	8.3	.0	25.4	.0	126.9
62501	1944.6	50.1	134.4	.9	822.9	11051.4	1930.5	.0	3.7	513.9	.0	15.6	.0	.4	4.5	.2	4.7	.8	32.6	1.6	409.6
62601	1013.5	34.6	26.0	.0	647.5	4394.4	6701.3	2.3	6.4	3.1	.0	.0	.0	.0	.0	.0	13.0	.6	32.3	.0	219.3
62701	998.2	214.0	45.3	.0	484.3	3481.5	2001.9	72.9	.2	33.2	18.2	.0	1.4	.0	3.8	4.1	8.3	.9	15.8	1.6	449.7
62702	1110.2	36.6	36.7	.0	1134.3	9771.1	7217.6	44.0	52.9	53.4	11.2	.0	.0	.0	4.9	3.7	26.8	.0	36.8	.0	716.2
62801	876.5	260.7	102.1	.0	402.9	1796.6	2512.2	41.7	42.7	105.3	9.2	5.2	.2	.0	.0	.0	13.7	.0	12.8	.3	301.6
62802	7774.2	20.3	511.1	.0	8819.0	38921.4	40944.4	74.9	54.5	46.6	.0	.0	.0	.0	4.2	4.5	17.6	.0	241.5	10.4	2626.0
62803	1899.3	280.1	54.0	.0	526.0	3241.9	7563.8	124.3	20.0	43.1	4.6	.0	.0	.0	.0	2.3	11.0	.0	17.0	1.2	389.2
62804	2218.3	672.6	136.3	.2	804.7	2823.2	5128.1	294.4	129.3	161.9	14.6	.0	.8	.0	.8	3.9	16.6	.6	22.3	1.2	413.6
62805	992.6	290.4	.0	.0	452.3	2513.2	2363.3	15.1	152.2	77.0	.0	.0	.0	.0	.0	.4	8.9	.0	14.4	.6	257.5
70201	2102.6	40.9	110.2	.0	1103.1	8213.0	3205.7	110.6	2.0	15.7	.0	.0	.0	.0	.0	2.4	15.6	.0	72.0	.3	439.8
70501	1731.2	87.7	23.7	.0	773.6	4368.2	2745.7	.0	.0	19.5	.0	.8	.0	.0	.0	.0	2.9	.0	22.2	.9	439.9
70701	1774.5	94.2	36.7	.0	784.5	2890.7	5153.3	8.9	3.2	20.6	6.6	.0	.0	.0	4.1	2.6	11.3	.0	21.8	.3	615.0
70801	1839.9	163.4	52.0	.0	975.3	2852.4	6036.0	44.0	11.1	20.2	.0	.0	.0	.0	1.7	.9	17.7	.6	28.3	.0	446.1
71101	2027.1	128.7	43.3	.0	492.0	3321.5	2411.6	6.4	10.7	146.7	.0	.0	.0	.0	2.7	2.0	4.7	.0	16.4	.6	141.3
71301	1561.1	129.5	40.5	.2	1014.6	2874.6	5893.1	27.5	8.8	23.5	.0	.0	1.2	.2	.0	.0	17.2	.0	28.3	.9	705.3
72601	1857.0	151.9	38.9	.0	566.8	2203.2	2657.2	382.3	250.7	58.1	.0	3.3	.0	.4	.0	1.1	10.3	.0	14.4	.6	452.9
72701	1168.5	242.7	519.9	.4	886.1	7861.8	2261.6	92.1	.9	160.2	6.9	1.3	.0	.0	.0	3.3	12.9	.3	32.6	.3	295.9
80501	1886.2	175.8	230.5	.0	301.7	2246.5	1089.0	13.0	11.7	13.9	.0	.0	.0	.0	.9	3.8	15.9	.0	13.0	.0	63.2
80601	887.1	63.1	36.8	.0	1003.6	5227.8	4798.0	278.0	23.1	28.2	.0	12.6	.0	.5	2.0	.5	17.5	1.4	46.2	1.5	376.7
80602	2187.1	248.3	671.1	.9	529.7	5142.2	2395.5	17.0	318.7	26.5	.0	.0	.0	.0	2.1	3.0	4.7	.5	17.3	.0	160.0
80604	695.8	175.6	2.1	.0	319.0	1410.1	16456.3	.0	.8	4.3	.0	3.9	.0	.8	2.1	.0	7.6	.0	9.0	.0	510.5
80605	897.4	54.6	59.8	.0	278.5	1925.4	1142.4	.0	36.4	34.5	.0	.0	.0	1.0	.8	.0	7.6	.0	10.2	.6	418.8
80701	686.9	40.7	23.8	.0	191.8	1625.5	639.2	11.0	42.3	4.3	4.4	.0	.0	.2	3.8	2.0	7.6	.0	7.9	.0	223.3
81401	1264.2	70.2	12.9	.0	609.2	3690.8	5275.1	.0	1.0	10.6	.0	13.2	.1	.5	.0	.0	9.4	.6	13.2	.7	642.7
81501	1452.4	249.3	121.1	.0	598.1	4713.4	2187.1	41.2	34.1	27.1	.0	.0	.0	.0	.0	2.5	7.3	.0	11.9	.9	56.1
81701	1115.2	227.7	148.7	.4	304.1	1324.6	1299.4	25.3	264.8	29.2	13.1	3.6	.0	.0	.1	3.1	4.9	.0	5.9	.0	147.0
81901	1012.5	87.7	74.6	.9	311.4	2041.2	890.3	.0	20.2	9.6	.0	13.4	.0	2.0	.0	.0	8.2	.5	10.9	.6	437.1
81902	1139.4	81.9	91.0	.0	287.8	2164.0	1135.3	.0	24.5	397.8	.0	2.0	.0	.3	.0	.5	4.8	.0	8.8	.3	167.6
82101	3260.1	36.4	8.6	.4	585.2	3481.5	16083.9	17.4	3.4	1.9	.0	.0	.0	.0	.5	.0	14.1	.6	19.4	.0	99.2
82601	531.4	25.2	19.6	.3	108.4	1222.9	901.4	.0	40.3	7.9	.0	.0	1.0	.0	1.8	.0	7.9	.0	7.1	.3	.0
82801	1653.7	58.7	172.4	.0	734.9	6737.5	1490.6	68.9	2.5	6.4	.6	.0	.0	.0	.0	2.6	12.4	.0	20.3	.0	251.2
82901	356.5	95.8	294.2	.5	266.4	1240.0	759.2	21.9	78.3	13.2	.0	.0	.0	.0	2.0	2.2	6.1	.6	5.7	.0	.0
90101	529.1	75.4	103.7	.0	895.8	2268.7	6070.2	11.8	1.6	20.7	.0	.0	.0	.0	.8	.0	9.1	.3	12.7	.0	300.5
90102	750.7	157.0	227.8	.0	592.5	2960.3	3201.7	10.7	2.7	42.1	.0	.0	.0	.0	.0	.0	7.6	.0	8.8	.0	171.8
90301	1032.7	361.8	55.4	.0	554.4	1341.7	6463.7	10.2	2.5	30.4	.0	5.7	.0	.0	1.5	.0	10.6	1.4	10.2	.6	543.1
90401	995.4	348.3	69.1	.0	511.5	1243.0	4728.5	50.1	.0	36.0	.0	.0	.0	.0	.0	.0	9.4	.0	9.5	.0	203.3
91401	934.0	334.8	147.3	.0	788.1	1277.2	43114.7	21.2	53.3	22.0	.6	32.8	.0	.3	.0	.5	3.5	.0	6.3	.0	584.6
91901	640.0	82.6	15.2	.0	177.0	1267.2	4842.3	21.9	.0	34.7	.0	.0	.0	.0	.0	.0	2.6	.6	7.9	.0	.0
92601	998.6	340.6	34.5	.0	609.7	1403.1	6620.8	62.1	8.7	28.5	4.4	5.3	.0	.0	1.6	.5	12.4	.0	10.4	.9	281.8
92801	3451.3	47.5	4.2	.0	750.1	3309.4	14825.7	.0	.5	5.0	.0	6.7	.0	.0	.0	.0	7.6	.3	19.4	.0	490.4
93701	2678.3	254.9	14.9	.0	385.4	2205.2	10075.1	60.7	.9	4.0	.0	.0	.0	.0	4.4	.2	16.4	.0	14.5	.3	102.5
100101	1111.2	299.0	40.5	.0	650.2	3176.5	7989.5	8.0	1.3	34.0	.0	12.3	.0	2.2	3.9	1.4	15.8	.8	43.6	1.6	625.0
100102	868.0	270.5	33.3	.2	924.7	2047.7	9885.7	134.3	12.4	47.2	1.0	.0	.0	.0	1.3	1.8	25.8	.3	13.9	.3	149.1
100201	523.9	282.7	43.2	.0	777.2	1627.5	9231.6	97.2	.0	22.2	.0	.0	.0	.0	.0	2.2	17.6	.0	17.2	.6	237.7
100301	650.1	62.7	77.8	.0	615.1	1623.5	7441.1	16.3	652.8	257.0	.0	.0	.0	.0	2.2	.4	6.7	.3	8.6	.6	12.6
100302	550.7	214.7	164.4	.0	1052.8	1138.4	9997.6	91.1	3.2	33.9	.0	.0	.0	.0	.0	.0	8.9	.3	11.7	.0	27.5
100401	373.4	142.3	105.6	.0	754.2	888.9	7967.5	90.2	11.8	23.3	13.2	.0	.0	.0	1.2	.0	9.7	.0	7.8	.0	6.8
100402	525.0	284.9	36.9	.0	520.3	583.8	5149.3	10.6	31.2	20.6	.0	.0	.0	.0	1.5	2.7	3.2	.3	5.1	.0	139.5

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
100403	337.0	318.0	53.3	.0	566.4	495.7	8894.4	.0	1.8	13.7	12.0	.0	.0	.0	1.9	2.1	2.9	.0	4.6	.0	.0
101401	2399.5	103.4	40.8	.0	1315.5	27316.4	18902.1	76.6	.0	10.7	5.6	.0	.0	.0	3.3	4.3	31.1	.3	463.0	.6	550.3
101402	442.5	352.7	785.4	1.1	404.9	1010.5	3829.3	65.6	20.2	447.7	16.0	5.2	4.9	.5	3.4	1.5	11.4	.9	9.7	.0	400.3
102101	878.5	352.7	95.1	.0	649.1	1185.7	4698.3	51.7	.6	34.6	.0	.0	.0	.0	2.4	.0	9.2	.0	9.2	.0	187.2
102901	338.4	224.4	64.0	.0	883.2	1170.6	9672.5	25.1	2.0	23.1	.0	6.5	.6	1.4	4.5	.8	8.3	1.1	10.4	.6	588.5
103201	507.9	61.8	21.4	.0	689.0	1486.6	6248.4	55.0	1341.7	729.6	.0	.0	.0	.0	.2	1.8	8.0	.0	9.1	.0	102.7
103202	807.9	135.9	145.1	.1	543.2	1069.9	4865.4	17.7	2485.0	228.8	7.4	.9	.0	.5	.0	4.8	7.3	.0	9.1	.0	102.7
103701	1450.4	207.0	2.1	.4	525.9	1855.0	11474.1	.0	6.0	16.8	.0	10.9	.0	2.2	3.9	.2	15.5	.8	16.9	1.9	777.2
110101	147.9	76.1	8.7	.0	777.8	932.5	9038.4	22.3	7.9	15.1	.0	.0	.0	.0	.0	2.2	2.1	.6	11.6	.0	45.4
110201	514.5	74.9	34.0	.0	806.8	2188.1	7322.3	.0	2.9	17.0	.0	8.3	.0	.7	3.1	.0	5.5	.3	16.2	.6	836.0
110301	516.8	49.9	8.7	.0	643.1	927.4	5812.5	18.8	.0	17.0	.0	.0	.0	.0	.0	.5	3.2	.3	8.4	.0	96.7
110601	569.9	172.4	58.2	.4	1001.1	4253.5	7372.6	57.7	4.1	19.9	2.3	.0	.0	.0	2.3	3.5	5.0	.0	15.0	.3	343.5
111101	316.7	150.8	103.6	.0	639.7	1000.0	9116.9	26.2	.6	17.8	.0	.0	.0	.0	.0	1.8	3.2	.3	9.7	.0	239.5
113001	611.1	140.3	13.6	.2	485.9	608.3	4212.2	10.8	126.5	49.4	3.0	34.5	.0	.0	.8	.0	1.8	.0	5.0	.0	78.1
113002	.0	70.5	116.9	1.1	855.3	2523.3	6168.8	121.4	127.8	106.3	.0	.0	1.3	.0	.0	.0	5.2	.0	18.2	.7	1191.7
113501	171.7	60.4	101.8	.0	148.7	385.4	1206.8	7.2	12.8	50.9	.0	.0	.0	.7	.0	.0	2.5	.3	2.7	.6	.0
114101	5.2	56.7	39.0	.5	1320.5	1289.3	11584.8	11.6	1.4	12.8	.0	.0	.0	.0	.0	.0	17.9	.0	12.2	.0	701.4
114901	38.1	33.5	49.9	.0	1489.6	2997.4	14362.8	.0	2.0	9.9	.0	.0	.0	.0	.0	.0	1.9	.0	11.4	1.0	252.7
114902	80.2	28.0	23.8	.0	1382.9	2206.2	11826.4	1.2	1.4	10.6	.0	.0	.0	.0	.0	.5	1.7	.0	12.1	.0	15.8
114903	221.4	77.3	99.2	.4	1579.2	1784.5	13728.7	70.3	20.6	21.6	.0	.0	.0	.0	.2	.9	3.2	.0	12.3	.6	138.1
114904	268.6	50.3	108.2	.0	1348.7	1700.0	11353.3	38.0	105.7	84.2	.0	.0	.0	.0	1.4	2.0	2.9	.3	10.3	.6	76.0
120101	502.1	125.9	149.1	.9	382.4	434.7	3251.0	.0	4.9	408.3	.0	9.1	.4	2.7	1.3	.0	5.8	.3	3.8	.6	366.8
120102	371.2	99.3	88.3	.0	386.1	506.3	3112.1	31.3	22.4	11.9	.0	1.7	.0	.0	2.8	4.9	5.2	.0	3.9	.0	19.1
120103	518.1	186.2	159.7	.9	327.4	544.7	3584.1	20.5	149.6	47.9	.0	.0	.6	.0	.0	1.2	4.9	.0	4.3	.0	.0
120104	292.6	129.3	127.9	.0	356.3	421.1	4518.2	.0	3.2	25.7	.0	.0	.0	.0	.0	1.7	5.1	.0	3.0	.0	.0
120105	779.3	121.0	25.6	.0	747.5	2133.8	7080.7	.0	7.9	16.1	.0	11.5	.0	.7	.0	1.9	5.5	.3	10.5	.0	579.7
120106	482.9	111.1	95.1	1.1	360.7	475.4	3252.0	.0	637.4	34.6	10.9	.0	1.1	.0	.0	.0	5.1	.0	4.0	.9	91.6
120107	684.2	77.0	63.9	.0	712.6	1453.4	6468.8	.0	124.9	40.5	.0	8.3	.5	.5	.5	.0	5.8	.3	9.4	.6	466.4
120108	134.6	37.8	32.6	.0	756.1	1426.2	6316.8	4.9	63.9	23.8	.0	.0	.0	.0	.0	.0	4.5	.0	10.2	.3	436.2
120109	377.3	121.8	119.6	.9	333.7	359.4	2945.0	.0	7.4	35.1	.0	9.5	.0	.6	.0	.5	3.0	.3	3.0	.0	263.9
120111	332.5	72.2	47.7	.5	172.8	434.6	1503.7	17.5	.7	19.3	.0	.0	.0	1.7	.7	2.2	3.8	.0	7.6	.0	.0
120112	472.8	77.2	42.6	.0	419.4	836.4	4278.6	1.8	193.4	11.6	.0	.0	.0	.0	.0	.4	5.0	.3	3.9	.0	.0
120113	432.8	140.2	56.2	.0	630.5	562.8	4865.4	13.9	170.5	26.4	.0	16.6	.7	1.6	2.7	1.6	12.9	.3	6.9	.6	229.6
120114	684.4	62.2	79.8	.0	699.6	3424.1	5466.3	3.9	1.8	25.1	.0	.0	.0	.0	.0	1.0	14.7	.6	13.4	.0	492.5
121901	490.5	39.0	15.1	.5	1208.8	1590.3	11344.6	15.7	188.2	30.0	.0	.0	.0	.0	.0	.0	8.6	.6	16.3	.6	139.1
122401	245.8	45.8	21.2	.0	392.0	815.7	3465.4	.0	65.5	33.2	.0	12.7	.0	1.6	.7	.6	3.2	.3	3.7	.6	269.7
122801	253.3	101.5	105.9	4.1	168.1	524.0	1618.5	6.2	68.6	18.4	.0	8.0	.0	1.0	.5	.7	1.4	.5	3.8	.0	172.0
122802	163.8	16.8	2.1	.0	208.5	931.2	1457.4	.0	.8	14.3	.0	9.8	.4	.6	.2	.1	3.2	.6	2.5	.0	.0
122803	343.5	53.7	83.0	3.1	219.5	832.9	1346.7	.0	17.5	12.3	.0	10.4	.7	.0	2.3	.0	3.8	.5	2.8	.6	399.8
123501	3265.1	10.5	85.4	.0	598.2	4606.8	2814.2	3.2	134.9	14.8	.0	10.5	2.9	3.6	1.6	.0	6.4	.3	26.8	.9	1041.7
124301	785.7	346.9	51.2	.5	448.5	2942.0	4202.1	33.3	.0	8.1	7.2	.0	.0	1.2	1.3	2.7	2.0	.0	1.5	.0	.0
124701	780.8	155.7	107.9	.0	892.6	1555.0	6997.5	12.6	387.6	47.1	.0	1.4	.0	2.3	.6	2.3	1.8	.0	8.8	.0	.0
125101	326.5	28.0	26.0	.0	151.1	474.4	1149.4	5.9	220.9	37.7	14.1	.0	.0	.0	2.5	1.8	6.4	.0	10.6	.0	115.9
125102	239.6	90.5	203.6	1.1	184.5	468.1	1294.4	.0	67.6	53.8	10.0	.0	.5	.1	1.7	.0	2.5	.0	2.4	.3	.0
125103	372.9	62.5	40.5	.9	903.6	377.7	1562.1	8.7	14.7	63.6	.0	9.8	1.3	1.4	1.8	.0	3.5	.5	3.8	.3	.0
126301	563.9	45.0	45.4	.9	169.5	1665.8	5974.6	8.7	14.7	17.7	4.4	7.5	.0	1.4	3.8	4.4	19.4	.5	4.5	1.6	240.2
140101	221.8	42.5	435.3	.1	371.2	537.9	3239.9	11.4	33.0	1100.1	19.0	7.9	.0	1.8	.0	3.1	2.9	.0	3.3	.0	.0
141601	239.0	69.3	1102.1	.0	179.3	436.3	1469.5	35.0	.9	1619.5	5.7	.0	.0	.0	1.7	4.8	16.1	.3	6.7	.0	.0
142001	309.1	27.9	36.7	1.4	107.9	691.3	847.7	3.3	24.0	4.9	16.9	.0	.0	.0	5.7	4.4	5.6	.0	7.8	.0	289.2
142201	396.1	23.0	21.3	.0	130.9	969.5	483.4	.0	9.9	35.8	.0	7.6	.0	2.0	.0	.8	7.6	.0	12.6	.6	193.7

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
142401	358.3	23.3	8.6	.4	107.6	540.1	479.1	1.9	30.1	11.2	.0	.0	.0	.0	2.6	.5	4.1	.0	6.9	.6	.0
142402	356.4	9.0	4.3	.0	1899.3	4370.2	3841.8	2.5	5.0	4.1	11.3	.0	.0	.0	2.5	4.3	8.9	.0	41.6	.6	1608.4
142801	886.2	45.3	15.1	.4	441.6	579.9	4200.1	.2	.0	4.5	.0	.0	.6	3.8	3.8	1.3	3.8	.3	3.9	.0	67.4
142901	490.7	104.8	102.4	11.8	348.6	415.3	2537.4	.0	1.2	6.1	.0	11.3	2.5	2.6	1.3	.0	3.5	1.1	3.1	.6	500.8
143201	259.1	56.0	186.2	.0	238.7	427.4	1935.5	.0	.0	2.1	.0	.0	.0	.0	.0	2.6	3.6	.0	3.5	.6	.0
143801	491.9	78.7	52.0	1.0	526.0	2294.8	3852.9	4.1	13.3	17.3	.0	.0	.0	2.4	.9	1.6	4.7	.6	9.6	.0	.0
143901	640.3	125.6	104.5	.4	827.4	735.9	6939.8	.0	67.5	12.3	.0	12.7	.0	.0	2.6	1.2	5.8	.3	8.2	.0	451.5
143902	808.0	260.4	126.0	.5	667.4	1699.0	6045.0	.0	14.8	10.4	.0	17.1	.0	1.9	1.6	.0	3.5	.0	10.0	1.9	374.2
143903	270.2	50.3	4.3	.7	895.7	646.2	7014.3	.0	77.9	11.5	.0	.0	.0	.0	1.0	1.0	3.7	.0	7.9	.6	163.0
143904	404.8	154.2	99.5	.2	262.9	1744.3	3369.8	.0	8.2	21.8	.0	.5	1.4	.2	.1	1.5	2.5	.0	10.1	.3	.0
144301	773.6	736.1	675.4	35.3	304.4	548.8	1536.9	.0	47.9	8.9	.0	7.4	1.6	2.3	.0	.0	4.6	.8	5.9	.6	411.6
144302	443.2	48.3	19.5	.4	224.7	415.8	2064.3	.2	7.2	5.5	.0	.0	.0	.1	.6	.0	1.8	.6	3.7	.0	.0
144501	593.3	27.8	12.9	.4	93.3	570.2	1200.8	.0	78.4	12.7	.0	.0	.0	.0	.0	.6	2.6	.6	8.8	.0	.0
150101	582.5	41.0	2.0	.0	737.6	1403.1	5766.2	.0	21.7	20.4	.0	11.1	.3	1.9	.9	1.1	3.2	.0	10.7	.6	547.5
150201	696.4	182.7	122.8	.0	509.3	542.5	3957.6	26.1	24.3	12.7	16.0	.0	.0	.0	2.6	2.1	2.0	.0	4.7	.0	161.6
150202	837.9	58.0	86.5	.0	512.5	782.1	3023.5	1.2	30.8	14.9	10.4	1.2	.2	.0	3.0	2.0	2.3	.0	4.7	.6	355.6
150203	1052.8	246.9	312.6	.4	562.2	1548.0	4526.2	35.4	53.5	26.4	.0	.0	.0	.0	1.7	4.1	1.7	.0	12.6	.0	.0
150301	691.5	46.6	13.1	.0	787.2	1412.1	7076.7	.0	9.7	9.3	9.1	.0	.0	.0	.0	.0	3.1	.0	10.8	.0	230.7
151401	456.6	50.1	78.9	.0	891.4	1234.0	6698.3	.0	109.8	180.0	.0	35.8	.0	.2	.5	.0	4.4	.0	8.9	.3	320.7
151601	1380.9	84.1	48.9	.9	513.9	838.9	4442.7	9.5	49.4	24.5	.0	.0	.0	2.9	1.2	2.0	2.9	.0	11.1	.0	72.8
151602	696.8	30.6	11.8	.2	583.3	727.8	4720.0	.0	23.5	20.7	.0	5.5	.0	.7	.1	2.1	2.1	.5	7.3	.5	258.6
151701	779.1	56.0	44.0	1.8	421.2	2657.2	5521.7	5.0	8.6	9	3.6	12.7	.0	2.4	.0	.0	2.9	.2	18.8	.0	194.0
151901	538.8	64.2	21.2	.0	356.4	835.1	2922.9	.0	98.8	25.0	.0	7.5	.0	.5	.0	.0	2.3	.8	3.2	.6	465.1
152001	617.0	19.9	6.2	.0	237.1	834.1	2044.2	.0	19.4	5.7	.0	3.5	.0	.5	.0	1.7	2.3	.8	3.2	.6	415.4
152501	481.4	35.6	42.7	.0	144.6	1508.7	1660.7	.0	3.5	13.4	.0	.0	.0	.0	1.1	1.0	1.2	.0	8.6	.0	390.9
152801	830.2	246.2	8.6	.4	329.5	3108.1	3316.4	.2	1.0	3.9	.0	.0	.0	.0	2.7	.9	2.6	.6	11.0	.0	.0
153201	43.1	44.1	51.7	.4	1386.0	1023.6	10497.8	9.0	.0	6.8	.0	.0	.0	.0	1.2	.8	2.9	.0	10.6	.3	285.0
153401	470.2	30.0	27.6	.3	455.2	1042.7	4117.6	1.2	31.9	6.8	11.1	1.8	.0	.4	1.3	2.2	1.4	.1	8.5	.0	250.8
153402	532.8	63.7	10.1	1.8	556.3	500.3	5230.8	1.9	19.1	6.0	.0	.0	.5	2.3	.0	2.4	3.2	.0	8.3	.3	237.8
153501	382.1	21.9	.0	.0	192.2	485.9	1921.4	.0	13.8	1.1	2.6	.0	.0	.0	.0	3.3	.4	.0	3.2	.0	.0
153901	724.1	19.5	6.4	.0	183.6	915.4	1449.4	.0	.0	.0	3.1	2.3	.0	.0	.0	1.8	1.0	.0	6.1	.6	.0
153902	732.1	29.0	2.1	.0	207.9	483.1	1730.2	.0	.0	2.0	.0	6.4	.3	.0	1.3	.1	1.2	.3	3.6	.0	179.1
154601	294.6	307.7	774.5	6.5	1652.7	4438.7	15983.2	9.6	1.1	20.0	.0	.0	.0	.1	.0	.4	9.8	.1	29.2	.6	320.4
154701																					
154801	1515.8	33.3	17.0	.0	762.0	1636.6	4313.9	.0	28.3	8.4	.0	6.5	.2	.2	.0	.0	.3	.3	4.9	.3	216.1
155101	657.1	35.1	2.1	.0	365.8	956.5	3229.9	.0	69.2	8.3	.0	3.5	.0	.0	.0	.3	2.3	.5	5.2	.3	265.9
155401	1219.9	123.0	222.4	3.2	896.6	1594.3	4872.5	34.4	30.4	23.0	.0	23.0	2.7	3.2	.7	.0	5.6	.6	9.4	1.0	593.0
155402	611.3	101.0	88.0	.4	1349.7	2254.6	9576.8	7.0	63.3	14.8	1.5	.0	.0	1.8	.0	1.9	6.5	.4	16.3	.4	505.1
155403	177.3	58.9	172.8	.0	716.4	1429.2	3629.4	5.4	20.4	9.2	.6	.0	.0	.1	.1	5.1	2.9	.0	6.7	.0	102.3
156001	456.3	257.5	842.7	2.7	346.3	537.7	2671.3	126.5	9.7	13.9	.0	.0	.0	.0	.0	.0	2.6	.0	4.7	.0	.0
156301	1323.5	26.1	23.8	.2	396.9	2256.6	1702.0	.0	105.9	3.5	2.5	.0	.0	.0	7.2	1.6	3.6	.0	12.5	.9	618.5
156302	1889.2	15.7	41.6	.0	244.1	7944.8	1818.2	.0	6.2	6.0	.0	4.1	.0	1.2	.0	1.5	1.6	.0	30.5	.3	367.7
156601	348.3	39.0	6.4	.5	93.9	353.6	2370.3	.0	.0	6.2	.0	.0	.0	.0	.0	1.5	1.8	.6	3.4	.0	.0
156701	526.7	26.6	10.7	.0	512.7	5476.4	2530.3	16.2	33.5	3.1	.0	.0	.0	.0	4.2	4.5	.9	.0	11.6	.0	355.4
156901	440.5	23.0	2.1	.0	459.7	821.7	3381.8	.0	42.7	5.0	.0	8.0	.0	.8	.0	.0	2.9	.0	6.4	.0	369.9
160101	628.8	23.0	12.8	.0	818.8	5825.6	3897.2	.0	1.2	3.6	.0	5.8	.0	1.0	3.4	.0	3.5	.0	42.5	.6	533.9
160102	585.6	38.5	63.7	.8	729.1	6826.1	3991.8	.0	108.6	20.9	.0	9.6	.0	.2	2.2	1.1	3.8	.8	9.1	.6	447.4
160103	293.8	35.8	116.5	.0	1020.6	20160.2	4691.3	93.5	5.1	4.0	.0	.0	.0	.1	.0	1.5	5.8	.6	33.2	.0	771.0
161201	763.3	62.9	30.3	.0	552.4	1699.0	4627.9	1.2	16.5	4.5	.0	.0	.0	.0	2.5	1.1	2.9	.0	9.5	.6	189.4
162401	584.0	80.4	34.4	.0	691.4	1768.4	5111.0	10.4	12.6	47.8	2.3	.0	.2	.0	4.6	1.9	1.2	.0	8.6	.0	.0
162402	396.8	146.8	110.7	1.2	374.7	1204.8	3370.8	.0	40.3	4.3	.0	14.8	.0	.0	.0	.0	1.7	.0	6.7	.3	15.9
162403	589.1	116.8	93.7	.0	521.0	2970.2	5517.6	.0	9.0	13.3	3.7	.0	.0	.0	2.0	.0	1.7	.0	12.6	.0	173.5
162404	718.0	127.3	230.7	.0	785.0	2402.5	4842.3	38.4	40.3	2.9	.0	.0	.0	.0	3.1	4.1	2.0	.0	8.1	.6	.0
162701	595.0	89.8	12.8	.0	1038.7	1358.8	8957.8	.0	.0	2.9	.0	10.5	.0	.2	.0	.0	1.7	.5	11.8	.3	379.6

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K	
163001	527.6	93.2	40.4	.4	629.3	512.3	5442.1	.0	40.3	25.3	.0	11.1	.0	2.9	4.4	.0	1.1	.8	5.1	.6	412.9	
163401	1002.9	8.2	.0	.0	474.8	7303.2	970.3	.0	.0	7.2	.0	.0	.0	.0	2.4	1.9	2.3	.3	28.5	.0	36.5	
163601	995.8	84.9	215.2	.9	668.1	3565.0	3455.3	8.9	86.0	439.5	.0	.0	.0	.0	.0	1.1	1.5	.0	6.2	.0	.0	
163602	991.2	23.5	12.9	.0	413.7	2877.6	1475.5	.0	110.3	15.1	.0	.0	.0	.0	2.4	1.2	.9	.3	5.0	.0	.0	
163801	706.0	62.5	273.0	.0	1145.4	5680.7	3513.7	.0	24.0	32.0	.0	27.2	.0	1.0	1.0	1.6	3.2	.0	21.8	.0	379.6	
164001	2461.9	5.4	8.5	.0	3445.2	20894.9	1507.7	.0	13.1	96.8	.0	19.0	.0	1.5	1.5	2.2	33.9	.5	70.6	2.5	1908.3	
164401	339.8	26.9	21.2	.0	194.3	2466.9	710.0	.0	30.1	7.8	.0	8.0	.0	.8	1.5	.1	4.7	.3	4.3	.3	377.9	
164801	543.4	39.9	104.6	.0	646.8	6421.5	2797.1	2.4	79.3	20.2	.0	1.1	1.7	.6	1.8	.0	2.9	.0	29.4	.0	335.1	
165301	309.0	5.7	.0	.0	759.0	12893.3	3744.2	.0	15.6	5.0	.0	.0	.0	.0	1.3	.0	3.2	.0	32.1	.0	150.2	
165702																						
166201	801.8	26.7	36.2	.0	524.0	3511.7	1707.0	.0	10.6	9.8	.0	7.1	.1	.9	2.8	.0	3.2	.0	18.9	.6	560.6	
166301	691.3	71.8	116.8	.0	593.2	3848.9	4941.9	14.3	.0	6.2	.0	.0	.0	.0	1.7	1.6	1.8	.6	27.2	.0	.0	
166302	816.1	43.5	67.0	.5	719.1	6247.3	3525.8	8.1	1.4	3.9	.0	.0	.0	.0	.0	1.4	3.5	.6	32.1	.0	296.3	
170201	516.2	58.0	76.7	.0	690.5	3888.1	3588.2	33.2	15.6	312.2	.0	.0	.0	.0	.5	2.9	2.3	.0	16.0	.0	189.0	
170202	517.0	43.2	106.0	.0	1129.3	6487.9	4655.1	8.7	60.2	8.1	3.2	.0	.0	.0	1.1	.7	4.4	.0	21.2	.3	165.6	
170203	556.2	50.3	42.7	.0	686.4	3782.4	6451.7	.0	2.5	8.2	.0	6.5	.0	.6	.0	1.8	2.3	.3	16.3	.3	527.0	
170301	349.2	136.1	101.4	.0	414.3	420.2	7299.1	8.1	5.9	4.8	9.0	.0	.0	.0	3.4	1.8	1.2	.0	3.6	.3	.0	
171401	682.5	88.1	89.6	.0	541.8	2109.6	2714.5	.0	2.5	23.6	.0	12.0	.0	1.8	2.9	.0	2.3	.5	25.5	.9	436.2	
171402	1336.6	68.2	38.9	.2	194.3	11715.7	3012.5	.0	3.9	1.5	4.3	.0	.0	.0	.0	.9	1.3	.0	58.7	.6	.0	
171701	532.8	49.2	23.7	.0	1041.7	5561.9	5747.1	.0	11.0	47.7	2.2	.0	.0	.0	.0	.8	3.1	.0	46.4	.9	541.2	
171801	454.7	9.4	13.0	.0	756.0	3868.0	3990.8	.0	.0	.0	.0	.9	.0	.5	.0	.0	3.1	.0	15.1	.3	242.4	
171901	680.4	27.6	25.9	.0	998.9	6850.2	3563.0	1.2	4.2	5.4	.0	.0	.0	1.8	3.5	.3	2.3	.3	33.8	.0	481.8	
172101	444.7	42.5	49.6	.0	964.9	6258.4	4328.0	3.1	23.8	10.8	1.2	.0	.0	.0	1.9	2.5	2.0	.0	19.6	.3	566.3	
172102	871.7	66.1	119.3	.0	1011.5	3684.7	5738.1	.0	2.9	21.8	.0	7.1	.0	.5	1.2	1.6	7.0	.0	16.5	.6	484.7	
172401	105.2	232.7	15.0	.0	553.2	2085.5	12641.6	.0	1.4	16.5	.0	4.5	.0	.6	1.3	.2	2.3	.0	7.9	.6	.0	
172402	515.2	67.0	83.2	.0	502.2	2445.8	3710.0	.0	20.0	32.2	21.9	10.9	.4	.6	1.3	2.1	1.2	.0	10.4	.6	291.4	
172901	1060.9	34.9	114.8	.0	1070.9	5484.3	4677.2	.0	57.8	5.1	.0	.0	.0	.0	.9	.0	6.9	.3	19.3	.9	219.1	
172902	1106.1	32.5	326.9	.2	2257.6	18539.7	10387.1	481.2	7.5	3.5	.0	.0	.0	.0	.0	2.4	16.0	.3	83.4	.9	2565.6	
175001	737.6	204.5	157.4	1.3	1016.6	2555.5	8717.3	16.3	10.8	2.5	.0	.0	.0	.0	2.1	4.4	1.2	.0	19.5	.0	.0	
180401	934.9	17.7	38.9	.0	1172.6	10286.4	6894.5	1.6	4.2	1.3	1.4	3.1	.0	.0	1.1	4.7	23.9	.0	35.5	.1	723.2	
180402	1260.1	85.0	135.7	.0	1437.3	3524.8	8720.3	3.4	3.4	6.1	4.0	4.5	.0	.0	1.1	2.7	9.2	.2	18.9	.9	737.8	
180403	367.2	49.9	15.8	1.8	508.1	1011.5	3715.0	1.9	43.0	21.0	3.5	2.1	.5	1.0	1.4	.3	2.9	.2	6.6	.6	344.0	
180501	409.2	14.8	10.8	.0	276.2	1807.7	1091.0	.0	1.4	2.5	.0	.0	.0	.0	2.1	.5	3.5	.0	4.7	.0	352.2	
180502	302.8	26.1	125.5	.2	1158.5	7723.9	1193.7	.0	.0	2.7	6.1	1.6	.0	.0	.1	1.1	2.5	.0	54.6	.3	.0	
181201	417.4	109.6	84.3	.0	710.0	1002.2	6103.4	3.5	71.0	16.7	5.3	.0	.0	.0	4.1	.2	1.8	.0	8.5	.0	92.4	
181202	504.8	156.0	97.0	2.5	170.5	3674.7	5774.3	8.3	2.1	5.6	.0	.2	.0	.0	3.6	.6	1.9	.5	16.3	.1	260.4	
181301	377.1	34.1	17.2	.0	604.2	3378.8	4695.3	1.2	.0	1.4	10.2	1.1	.0	.0	2.2	2.7	2.0	.0	21.3	.6	206.3	
181501	299.3	39.5	25.8	.0	656.2	1053.8	6178.9	31.3	4.9	19.3	1.4	.0	.0	.0	1.2	4.1	1.1	.0	6.2	.3	24.7	
181801	591.5	43.2	23.9	.0	648.3	2108.6	6167.8	3.3	4.4	3.7	17.1	.0	.0	.0	2.2	2.8	1.8	.0	14.3	.0	308.5	
182001	383.2	93.6	63.9	4.4	374.2	1640.6	3939.4	2.1	49.4	17.4	.0	.0	.0	.0	.6	.9	1.5	.3	13.7	.0	398.9	
182002	324.9	88.9	59.0	2.3	205.7	1057.3	2130.8	1.1	27.9	32.7	7.2	11.1	.6	.8	1.6	1.4	.6	.0	9.2	.3	269.4	
182401	689.5	72.9	83.1	.5	909.4	6681.1	3463.4	16.6	59.0	15.3	6.3	.0	.0	.2	.0	.9	6.1	.0	25.8	.0	775.8	
182801	1494.7	21.3	47.0	.0	1591.3	8939.7	9632.2	.0	44.9	14.1	.0	11.3	.0	1.9	1.1	.0	17.6	.6	22.9	.3	1993.9	
183201	837.2	145.5	324.7	.0	367.7	7686.6	2160.5	6.2	22.0	4.3	.0	4.5	.6	1.7	3.9	.5	3.2	.2	28.2	.5	139.6	
183301	502.2	39.5	83.9	.0	507.6	3282.3	2468.9	7.9	12.8	23.7	.0	.0	.0	.0	.0	2.9	3.5	.0	6.3	.0	53.8	
183302	1128.3	54.9	198.6	.0	772.5	5262.0	2783.0	.0	8.9	14.1	.0	19.6	.0	1.1	.0	.0	7.6	.3	12.1	.0	463.2	
183303	230.6	40.9	54.0	2.3	163.1	2019.0	704.8	2.3	16.7	1.8	.8	1.5	.0	.0	.0	.4	2.9	.0	5.9	.0	48.1	
183901	296.1	114.1	129.7	10.2	230.5	1854.0	696.8	2.4	.6	13.6	6.9	1.5	.0	.0	.0	.0	2.9	.0	7.3	.0	116.6	
184001	461.0	23.0	17.1	.0	897.9	5264.0	1982.8	.0	37.6	26.1	.0	13.1	.0	.0	1.1	.0	5.5	.3	13.7	.0	652.6	
184101	340.9	24.8	138.6	.4	3115.1	18036.5	3540.9	.0	50.3	144.6	.0	14.1	.0	4.0	1.5	2.0	4.4	.3	46.5	1.2	433.7	
184102	435.8	21.2	43.2	.4	1034.7	5385.8	2510.2	6.8	77.2	42.9	.0	.0	.0	.6	1.6	.0	5.2	.6	17.9	.0	154.4	
184103	308.2	13.0	32.4	.5	823.9	8580.4	1110.2	1.8	1.6	19.2	.0	.0	.0	.0	2.2	3.4	3.2	.6	19.5	.0	570.4	
184104	211.5	40.9	34.0	.0	794.0	3550.9	2895.7	.0	2.7	16.6	.0	4.3	.0	1.1	1.8	1.6	2.9	.0	15.3	.0	164.1	

Nr.	Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn	Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
185001	782.1	8.7	12.9	.2	1010.5	17603.7	3176.5	.0	60.9	5.4	3.0	.0	.0	.0	.0	.2	9.0	.0	102.1	.9	804.2
185101	677.7	82.2	38.6	.0	553.7	985.5	4034.1	37.8	.0	.7	.0	.0	.0	2.4	3.4	3.8	2.0	.0	4.7	.0	.0
185401	433.1	16.6	55.5	.9	416.7	1550.0	1814.7	.0	92.1	9.8	.0	10.9	.6	.0	3.1	.6	3.2	.5	5.2	.3	676.6
185701	2138.8	109.3	34.6	.0	3051.7	5507.6	29299.2	.0	.0	14.1	6.8	7.6	.0	.0	1.6	.0	2.5	.0	30.3	.0	1224.9
186001	626.9	49.7	58.4	.5	587.6	703.7	5234.8	.2	1.4	3.3	.0	.0	.0	.0	1.6	.0	2.3	.0	6.9	.0	.0
186002	785.4	67.2	147.0	.0	754.8	1164.5	6077.2	3.9	10.9	9.6	.0	.0	.0	.0	.8	.0	2.0	.0	9.7	.0	.0
186003	484.2	21.4	13.0	.4	1496.7	1156.5	11071.5	.0	9.7	9.6	.0	.0	.0	.0	2.4	.4	2.9	.0	11.6	.0	222.4
186501	763.9	45.1	66.9	.9	682.2	990.2	5406.9	.4	193.8	16.6	.0	.0	.0	.0	.0	1.0	2.6	.3	6.2	.6	136.6
186502	279.1	41.2	46.8	.4	452.1	549.3	3691.8	.0	106.0	17.9	.0	9.0	.0	.0	1.0	.6	2.0	.3	3.8	.3	262.0
186601	725.9	28.1	116.7	.9	560.0	1443.3	4356.1	2.3	17.4	8.1	.0	.0	.0	.0	.8	1.0	5.3	.3	5.4	.6	383.2
186602	856.9	16.1	25.8	.0	817.5	1122.2	5348.5	12.7	28.3	12.5	.0	.0	.0	.0	2.9	2.7	4.7	.0	6.1	.3	584.3
186603	1791.6	1.5	34.7	.0	893.5	3937.2	6349.0	.0	9.7	23.1	1.7	1.8	1.3	.4	.0	.1	6.0	.3	15.5	.1	954.4
186604	991.7	19.1	47.5	.4	520.5	843.0	3934.4	.2	236.6	23.5	.0	.0	.0	.0	.5	.0	5.0	.6	5.3	.0	33.3
186801	1024.6	30.3	26.0	.0	963.1	720.3	6850.2	1.4	209.9	10.4	.0	.0	.0	.0	.3	1.8	2.0	.3	9.5	.0	35.7
186802	1274.2	55.9	67.0	.0	932.2	1230.9	5315.3	2.0	2.6	28.3	.0	.0	.0	.0	.0	.3	2.3	.0	9.8	.0	273.2
187001	885.8	32.8	27.7	.0	961.5	3454.3	5203.6	.0	27.7	13.9	.0	6.7	.0	.7	3.9	.0	3.2	.3	9.7	.6	533.9
187002																					
187003	1115.2	76.6	108.6	1.3	739.1	1768.4	4910.7	.0	8.1	6.8	.0	9.0	2.4	.9	2.3	1.9	4.6	.3	10.6	1.5	702.5
187004	902.8	53.5	36.1	.0	392.2	1325.6	3460.3	3.9	1.0	21.3	.0	3.2	.0	.0	1.8	2.9	3.8	.0	7.5	.0	182.7
187005	632.2	65.1	23.5	.9	373.2	778.6	3005.4	.0	7.4	4.5	.0	9.1	.0	3.1	.0	.0	2.3	.3	4.5	1.6	609.4
187006	1215.9	24.3	42.5	.0	2137.8	7699.7	7155.2	.0	9.0	8.3	.0	10.4	.0	2.5	3.6	1.8	6.1	.5	19.7	1.5	833.4
187101	779.0	32.3	17.3	.0	957.9	2386.4	6671.1	1.2	10.1	3.5	3.8	.8	.0	.0	1.7	.8	3.2	.0	11.0	.3	595.3
187102	626.4	20.8	21.3	.0	1001.0	2415.6	6207.1	.0	25.8	7.8	.0	5.7	.0	.0	.2	.0	12.9	.3	10.9	.3	866.7
187103	478.5	25.7	6.4	.0	1574.2	2592.7	40699.1	.0	20.7	2.3	.0	.0	.0	.0	4.9	1.8	5.0	.0	14.9	.0	766.9
190101	529.8	15.9	23.6	.0	1754.3	7494.4	4118.6	35.8	48.9	18.2	2.8	3.6	.0	.0	1.7	4.5	4.9	.0	27.8	.3	402.9
190201	364.3	22.6	15.0	.0	587.1	1718.1	4105.5	.0	19.6	7.6	.0	3.6	.0	.0	1.8	3.3	2.0	.0	7.2	.0	34.6
190202	344.8	4.2	14.9	.0	458.2	646.9	3450.3	.0	30.1	7.2	.0	13.4	1.3	1.4	1.3	.0	3.5	.5	4.1	.0	465.9
190203	411.5	22.5	25.8	.0	550.7	2056.3	4123.6	28.0	25.9	9.4	5.8	.0	.0	.0	1.2	5.1	3.2	.0	8.5	.3	52.5
191101	840.3	.0	10.7	.0	879.1	3055.7	3045.7	52.1	48.6	3.5	.0	.0	.0	.0	1.2	2.7	9.7	.0	9.3	.3	624.4
191701	1025.6	17.1	8.7	.4	2021.1	15872.5	3029.6	.0	3.2	5.6	.0	.0	.0	.0	.0	.8	17.9	.0	94.7	.6	1346.7
192101	519.0	20.9	45.6	.3	746.8	8182.8	1835.9	.0	.0	32.8	5.4	.0	.0	.0	.0	.0	4.8	.0	32.3	.6	299.4
192301	1339.7	29.2	59.7	.0	7499.4	31483.3	49227.9	.0	26.4	7.2	.0	11.6	.9	2.0	6.3	.0	17.9	.0	182.6	2.5	3706.9
192401	504.7	6.8	32.4	.0	1201.8	9331.3	2522.4	.0	22.4	85.6	.0	7.6	.4	.0	.0	.0	4.5	.0	39.3	.9	170.4
192402	468.2	26.9	115.1	.0	2012.0	11071.5	2854.4	.0	27.0	5.9	2.7	12.7	.9	1.2	2.9	.1	10.3	.0	30.1	.0	690.1
192403	808.8	109.7	136.5	.0	1381.9	3785.4	2036.1	.0	177.0	26.7	2.7	2.8	.0	.0	1.7	.0	4.5	.0	17.9	.3	124.9
193101	242.1	.0	6.5	.0	362.1	1009.5	2138.8	.0	364.7	17.5	.0	.0	.0	.0	1.0	.6	1.9	.0	4.3	.3	105.4
193102	530.8	21.1	59.8	.0	817.7	7635.3	3026.5	.0	268.2	28.1	1.7	12.6	.0	1.4	1.6	.0	7.0	.5	30.3	.6	562.3
194101	815.7	20.4	17.0	.0	434.2	1674.8	2656.2	.0	24.2	42.5	1.0	16.5	.0	1.6	1.0	.5	3.2	.3	6.7	.0	267.6
200101	396.8	16.4	45.5	.3	638.1	1011.5	5171.4	.0	.8	115.2	1.0	.0	.0	.0	.0	.0	1.6	.3	8.7	.6	72.9
200102	396.5	24.7	60.3	.0	935.5	2427.7	7475.3	18.6	5.7	1.9	.7	.0	.0	.0	.0	.0	3.3	.0	12.7	.3	226.2
200201	530.8	27.6	85.4	.0	2009.0	2362.3	6943.8	27.6	190.3	38.9	3.1	.0	.0	1.3	.0	3.5	26.7	.0	48.4	.0	89.0
200301	356.5	29.4	61.8	.0	2400.5	3009.4	3377.8	5.9	56.5	17.8	3.6	4.8	.0	.2	.3	2.0	22.0	.0	17.9	.0	80.9
200302	905.2	35.4	185.6	.0	2693.4	3565.0	3438.2	.0	43.5	10.6	.0	17.0	1.1	3.8	.2	.0	20.2	.8	11.0	1.6	477.8
201101	324.8	2.2	.0	.0	5732.0	14292.3	2239.5	.0	8.7	14.3	.0	.0	.0	.0	.0	.0	11.5	.0	37.9	.0	1752.3
201102	1173.6	15.3	233.5	.0	919.8	6703.3	1373.9	3.3	117.1	11.6	.0	.0	.0	.0	.0	1.4	5.0	.6	6.9	.0	820.4
201201	316.0	45.0	110.6	.9	1044.7	3829.7	2561.5	34.7	8.7	16.8	.0	.0	.0	2.4	.0	1.7	7.0	.0	17.5	.0	380.3
201202	213.4	28.1	34.6	.5	564.9	1919.4	2144.9	7.6	16.2	108.1	.0	.0	.0	.0	.0	.0	6.1	.3	12.1	.0	183.7
201601	457.4	6.6	21.3	.0	330.9	417.6	3102.0	.0	37.4	11.8	.0	4.7	.0	1.3	2.2	.0	3	4.6	3.3	374.2	.0
201801	847.7	22.0	25.6	.0	1233.0	7210.6	8356.0	.0	4	7.0	.0	4.6	1.5	.5	4.2	1.0	9.4	.5	11.9	.7	926.8
201901	548.2	14.2	57.8	.5	1171.6	1818.1	14101.1	.0	54.5	10.6	.0	5.9	1.5	1.0	.0	.4	4.7	.6	28.1	.7	1041.7
201902	1645.6	37.8	76.0	1.2	1449.4	2903.8	10407.2	.0	13.3	15.3	.0	.0	.0	1.0	.7	.7	1.0	.6	12.6	.6	523.5
202001	296.3	27.8	79.9	.4	1034.7	9224.6	2586.7	8.1	23.3	10.6	.0	.0	.0	.0	.8	.0	10.6	.6	14.8	.0	446.6
202101	2024.1	15.9	28.2	.0	2494.1	11222.5	1854.0	1.0	23.4	5.1	.0	.0	.0	.0	.1	.0	9.8	.6	18.4	.0	907.7
202201	32.3	20.0	23.6	.0	1093.1	3703.9	8342.9	1.9	69.2	17.0	2.7	.0	.0	.0	1.7	3.9	2.0	.0	24.5	.3	475.5
202301	156.4	3.4	17.2	.0	904.0	3152.4	7981.5	1.0	2.3	126.8	.0	.0	.0	.0	1.2	.0	1.2	.6	17.9	.0	178.3
202302	188.4	44.4	1054.8	.0	1181.6	2731.6	9923.1	.0	2.6	306.4	4.7	.0	.8	.0	.0	.0	1.0	.0	20.0	.0	217.5
202401	1067.9	.0	8.7	.0	694.0	1723.1	6142.7	.0	19.6	5.8	.0	.0	.0	2.4	.0	1.1	3.2	.0	16.5	.0	122.8
202801	887.0	26.8	172.5	.0	1569.1	3871.0	5729.0	1.4	1.4	213.1	6.6	.0	.0	.6	.0	1.0	17.0	.0	13.3	.0	61.4
202802	770.7	13.0	4.3	.0	5494.5	11071.5	5264.0	.2	1.8	4.3	.0	.0	.0	.0	2.2	2.7	84.2	.0	188.7	.0	.0
203001	884.7	42.6	17.2	.0	467.9	1510.8	2377.4	2.7	49.9	34.0	.0	.0	.0	.0	.0	1.8	2.0	.0	7.6	.0	48.7

Nr.	Koordinater	pH	Kond.	TOC	Farge	Nr.	Koordinater	pH	Kond.	TOC	Farge
10101	300.74	6556.43	6.08	56.50	5.58	42002	341.08	6658.34	59.50	1.40	0.00
10201	280.22	6581.74	8.43	71.30	2.10	42301	342.34	6703.35	94.30	1.08	34.00
10301	270.60	6572.31	8.52	85.00	2.02	42501	336.50	6719.00	55.30	3.81	32.00
10302	285.18	6571.94	7.10	64.80	4.11	42601	324.20	6734.20	113.50	1.51	1.00
10501	259.50	6596.65	7.54	101.50	6.24	42602	330.00	6725.40	167.00	1.58	5.00
11501	284.86	6577.27	8.06	110.50	3.05	42701	316.55	6755.25	141.00	2.12	2.00
11901	209.74	6599.50	5.95	159.30	5.64	42702	309.79	6757.13	123.80	1.78	1.00
12201	290.10	6617.91	7.62	134.30	1.93	42801	354.83	6804.42	34.10	4.01	3.00
12301	282.32	6624.35	6.48	60.80	4.54	42901	303.46	6783.85	157.50	1.98	3.00
12401	286.58	6620.67	7.41	78.30	2.00	43001	290.33	6833.53	48.80	1.20	0.00
12501	286.93	6620.39	7.82	75.00	2.12	43601	291.44	6928.23	106.00	3.52	9.00
12801	293.87	6592.77	7.82	225.80	4.41	43701	279.85	6906.43	112.80	2.65	4.00
13801	278.75	6622.06	6.83	58.00	3.55	50101	255.27	6786.03	165.50	1.90	2.00
21301	269.15	6625.15	7.42	255.30	3.73	50102	253.22	6792.50	28.30	1.41	6.00
21501	256.61	6625.15	6.45	137.30	5.39	50201	265.53	6750.21	42.30	6.94	9.00
21502	255.73	6620.41	6.09	86.00	3.16	50202	260.02	6767.05	178.50	2.44	4.00
21601	255.39	6637.89	7.22	97.80	2.93	51101	196.97	6903.30	60.00	1.74	6.00
21801	263.46	6634.87	7.91	185.50	3.00	51601	220.95	6839.91	154.80	1.77	2.00
21901	246.93	6660.67	7.28	40.30	3.38	51701	213.75	6864.28	29.20	1.18	3.00
21902	254.18	6655.30	6.83	41.80	4.32	52001	242.60	6821.44	112.80	1.78	3.00
22001	240.89	6646.34	6.98	68.10	3.25	52801	277.43	6727.98	35.80	1.46	17.00
22002	241.03	6639.87	7.45	197.80	4.80	52802	271.25	6729.34	47.00	5.79	38.00
22101	308.56	6639.76	8.42	59.50	3.74	52803	268.01	6735.65	289.30	6.15	17.00
22601	301.35	6637.80	6.88	54.30	6.31	52804	267.95	6722.53	25.10	2.91	12.00
22602	290.82	6652.86	7.68	128.50	5.25	52901	255.35	6731.04	32.80	4.57	23.00
22603	284.98	6655.85	6.46	42.90	6.23	52902	257.85	6730.12	31.50	5.60	33.00
22701	290.22	6648.64	5.18	29.40	6.15	53201	245.06	6688.95	49.50	3.23	13.00
22702	283.38	6650.55	5.32	47.20	6.15	53301	263.23	6680.60	27.40	2.48	12.00
22801	279.49	6644.69	6.24	33.40	2.78	53302	263.23	6696.83	33.50	2.41	17.00
22901	283.65	6637.02	6.94	49.30	4.13	53401	248.94	6707.78	56.30	3.38	14.00
22902	279.21	6632.77	6.00	38.60	3.59	53801	230.54	6756.98	48.20	1.74	13.00
23001	274.18	6642.95	6.19	36.60	3.16	54201	188.41	6774.32	26.90	1.58	9.00
23101	289.57	6655.92	6.91	75.30	3.83	60201	223.97	6646.12	45.90	1.88	9.00
23102	279.46	6640.65	6.87	43.10	3.87	60202	235.93	6623.25	35.30	2.01	3.00
23103	276.91	6647.99	5.63	39.70	3.17	60401	198.17	6626.63	113.30	3.34	12.00
23104	274.15	6662.94	7.23	39.10	4.10	60402	217.30	6604.23	31.70	4.38	25.00
23501	270.35	6679.14	6.62	53.20	3.39	60501	236.20	6683.12	104.30	1.49	14.00
23601	300.51	6683.76	6.53	39.60	3.23	60502	223.29	6673.74	30.90	3.43	15.00
23602	306.64	6666.27	6.20	36.00	6.66	61201	236.59	6667.82	61.70	3.07	17.00
23701	287.93	6695.54	6.29	36.00	9.52	61202	230.18	6671.60	43.30	2.86	11.00
23702	288.60	6705.54	6.67	40.90	3.02	61601	176.76	6729.82	82.00	2.25	2.00
23801	274.35	6674.00	5.26	25.40	2.63	61701	168.23	6745.97	71.00	1.30	16.00
23802	274.35	6674.00	5.98	29.60	4.96	61901	147.05	6739.17	34.00	2.04	16.00
23803	268.63	6685.93	5.34	22.70	2.32	62001	126.01	6735.55	22.90	2.04	16.00
23804	275.25	6680.08	5.42	33.80	3.34	62002	136.06	6737.27	33.30	2.32	12.00
23805	281.82	6691.89	7.09	36.60	2.88	62301	219.50	6657.53	72.30	3.22	11.00
23806	278.21	6676.05	6.25	41.20	2.78	62302	216.39	6650.16	87.30	3.30	19.00
30101	264.93	6656.13	6.35	32.80	3.73	62401	214.55	6637.03	83.50	4.58	18.00
30102	271.28	6646.13	6.22	39.30	3.60	62501	221.06	6634.11	77.30	3.47	21.00
30103	253.28	6668.34	6.33	30.40	4.05	62601	237.89	6649.93	55.90	3.46	14.00
30104	268.26	6644.38	6.48	46.50	3.47	62701	239.69	6623.58	40.30	2.35	12.00
40101	268.60	6654.71	6.98	54.70	2.73	62702	243.69	6628.99	83.30	3.98	12.00
40201	284.52	6745.75	6.96	42.80	2.62	62801	251.91	6612.01	41.90	3.97	26.00
40202	337.50	6673.39	7.57	92.50	2.04	62802	241.58	6609.98	401.80	6.96	6.00
41201	280.41	6758.61	7.92	309.00	3.00	62803	248.69	6624.65	42.00	3.04	9.00
41202	268.74	6764.11	7.78	127.30	3.88	62804	248.76	6608.29	69.80	3.68	17.00
41203	277.63	6743.14	7.38	49.60	2.64	62805	245.33	6620.44	40.10	1.22	1.00
41401	292.52	6752.13	6.55	53.30	6.98	70201	225.67	6601.53	74.00	3.8	16.00
41501	307.14	6748.58	6.36	33.80	8.07	70501	212.96	6563.93	49.80	2.8	10.00
41701	288.24	6730.79	6.96	40.40	2.29	70701	214.00	6557.97	49.30	2.88	15.00
41801	325.41	6712.80	6.32	41.30	5.34	70801	208.12	6553.51	62.30	2.26	15.00
41901	311.89	6685.55	7.49	137.80	3.44	71101	239.21	6619.18	40.80	3.06	6.00
42001	340.91	6648.87	5.96	68.50	1.23	71301	232.47	6618.12	46.50	3.11	18.00

Nr.	Koordinater	pH	Kond.	TOC	Farge	Nr.	Koordinater	pH	Kond.	TOC	Farge
72601	208 11 6557 96	6 20	62 00	3 07	18 00	120110	-30 49 6717 82	5 90	39 00	2 45	14 00
72701	211 06 6574 09	5 70	41 90	3 01	17 00	120111	-21 43 6733 98	5 55	26 60	1 28	8 00
80501	195 85 6571 14	7 34	65 80	4 16	27 00	120112	-25 24 6741 70	5 51	37 40	1 46	8 00
80601	181 62 6578 81	7 48	27 60	2 35	16 00	120113	-29 01 6747 23	7 51	44 70	1 58	8 00
80602	195 13 6576 26	6 78	62 20	3 89	21 00	120114	-32 04 6743 89	7 51	54 80	1 75	6 00
80603	186 49 6588 00	6 70	56 10	3 42	15 00	121901	-50 36 6668 37	5 80	87 80	1 45	6 00
80605	186 52 6575 28	6 59	79 80	2 04	6 00	122101	-32 60 6671 34	5 38	31 70	1 65	12 00
81401	177 23 6559 55	5 83	22 10	1 87	17 00	122201	-33 98 6671 01	5 67	26 30	1 04	6 00
81501	183 71 6559 71	8 70	17 80	1 68	11 00	122801	30 59 6686 61	5 67	16 30	1 97	6 00
81501	171 22 6544 37	7 03	42 70	2 94	17 00	122802	36 95 6694 75	6 50	22 90	1 13	3 00
81701	159 09 6568 08	5 23	22 80	3 02	20 00	122803	27 92 6691 68	6 54	17 50	1 79	4 00
81901	174 38 6588 84	6 42	23 40	2 95	22 00	123501	31 91 6752 51	6 54	60 40	1 61	1 00
81902	162 75 6584 28	5 97	25 30	1 98	10 00	123801	27 59 6713 99	6 49	18 10	1 67	11 00
82101	162 48 6603 36	6 32	78 00	1 22	7 00	124301	-27 59 6738 90	5 82	39 60	2 61	23 00
82601	124 82 6649 68	6 50	14 60	1 31	7 00	124701	-39 19 6738 90	5 53	54 40	1 15	8 00
82801	139 51 6611 71	7 09	44 40	2 52	16 00	125101	-6 88 6741 42	5 95	21 50	1 34	9 00
82901	132 13 6602 90	5 78	18 20	3 43	22 00	125103	-8 55 6747 74	5 38	21 00	1 53	8 00
90101	162 81 6522 51	7 03	61 90	3 03	40 00	126301	-31 34 6751 63	5 53	50 20	1 87	13 00
90102	156 97 6529 51	5 65	38 60	3 82	27 00	140101	-23 46 6823 68	6 51	34 00	1 76	15 00
90301	125 83 6492 72	7 30	43 10	2 32	10 00	141601	23 07 6816 68	5 65	16 50	1 62	11 00
90401	122 88 6486 77	5 78	40 90	2 01	8 00	141602	12 07 6814 38	6 49	24 70	1 75	12 00
91401	146 41 6512 31	5 34	50 50	3 08	20 00	142001	75 27 6814 38	6 49	21 20	1 72	12 00
91901	128 85 6500 29	5 33	23 40	2 46	15 00	142201	96 01 6797 77	6 78	34 20	1 57	8 00
92601	112 91 6479 33	7 79	49 90	2 22	10 00	142401	125 38 6813 59	8 09	8 90	1 57	1 00
92801	104 09 6486 26	7 63	77 80	1 09	11 00	142801	111 04 6812 28	6 09	42 30	1 02	3 00
93701	81 47 6515 08	7 60	56 70	2 10	11 00	142901	-29 42 6843 61	5 46	28 00	1 44	8 00
100101	74 19 6469 40	7 50	70 80	2 41	19 00	143201	-22 46 6845 11	5 43	17 70	2 22	33 00
100102	81 90 6462 90	7 16	69 50	2 41	11 00	143801	12 53 6887 63	6 40	41 60	2 01	14 00
100201	55 07 6461 48	6 53	61 60	1 11	4 00	143901	-9 27 6907 16	5 59	62 90	2 26	27 00
100301	18 79 6470 59	5 35	66 20	1 65	4 00	143902	-18 65 6905 11	6 60	58 80	2 65	22 00
100401	13 26 6489 96	6 76	54 50	1 61	8 00	143903	-16 13 6911 30	5 42	51 30	2 22	21 00
100402	12 48 6497 32	6 74	50 00	1 00	2 00	143904	-2 47 6903 88	5 19	36 90	2 86	31 00
100403	13 65 6493 73	6 70	54 30	1 41	11 00	144301	27 95 6897 51	5 90	22 10	1 75	17 00
101401	88 16 6481 16	7 37	25 80	1 67	11 00	144302	16 02 6899 58	6 00	20 80	1 13	4 00
101402	86 49 6476 54	4 81	41 70	3 18	17 00	144501	37 42 6877 27	6 49	19 80	1 23	19 00
102101	60 87 6476 45	4 78	48 30	2 34	16 00	150101	57 47 6956 27	8 03	52 10	1 33	36 00
102901	45 65 6464 67	6 22	65 00	1 21	4 00	150201	100 90 6982 78	5 69	40 90	1 93	21 00
103201	33 25 6468 54	5 60	54 00	2 57	4 00	150202	122 32 6985 59	6 44	33 20	1 54	64 00
103202	35 64 6473 93	5 62	44 90	1 85	13 00	150203	116 73 6975 18	6 25	43 70	2 46	14 00
103701	30 33 6491 91	7 90	76 00	1 09	3 00	150301	147 33 7012 08	6 97	48 20	1 68	14 00
110101	-21 59 6516 20	5 81	65 80	1 75	8 00	151401	13 74 6938 52	6 23	55 70	1 88	14 00
110201	-33 71 6560 68	6 12	64 00	1 96	5 00	151601	27 68 6948 95	6 46	35 20	1 33	16 00
110301	-23 40 6549 18	6 67	44 80	1 14	3 00	151602	28 07 6941 49	6 39	36 70	1 29	7 00
110601	-43 40 6629 51	7 49	66 70	2 45	15 00	151701	33 23 6950 87	6 39	43 30	1 27	24 00
111101	-8 61 6576 34	7 32	66 00	1 67	10 00	151901	37 36 6922 14	6 31	29 80	1 29	7 00
113001	-12 71 6576 79	5 26	35 00	1 97	9 00	152001	39 54 6928 45	6 64	26 00	1 14	15 00
113002	-19 62 6581 98	6 51	59 40	1 71	4 00	152501	74 54 6933 52	8 88	34 70	1 24	16 00
113501	-22 96 6644 27	6 13	17 90	2 96	16 00	152801	66 63 6947 03	5 77	71 50	1 49	12 00
114101	-21 63 6593 86	6 32	115 50	1 81	4 00	153201	35 63 6960 12	6 39	32 50	1 93	18 00
114901	-56 95 6609 03	6 22	104 00	2 96	11 00	153401	72 42 6966 17	6 62	35 70	1 88	12 00
114902	-50 15 6611 21	6 22	104 00	2 97	23 00	153402	59 42 6969 42	6 23	21 80	1 93	12 00
114903	-55 58 6597 31	6 29	105 50	2 97	17 00	153501	93 71 6960 92	6 47	19 70	1 37	2 00
114904	-51 50 6732 33	6 00	88 00	2 33	17 00	153901	130 34 6952 61	6 22	17 30	1 12	2 00
120101	-29 50 6732 33	4 81	39 20	1 84	9 00	153902	131 02 6959 47	6 57	17 70	1 37	2 00
120102	-26 26 6736 85	4 70	36 80	1 55	9 00	154601	64 74 6987 60	6 75	17 90	1 64	35 00
120103	-30 81 6735 86	4 65	42 10	2 33	29 00	154701	95 31 6985 90	6 99	50 40	2 17	6 00
120104	-30 26 6739 21	6 33	43 10	2 05	10 00	154801	104 46 6992 66	6 59	29 70	2 28	27 00
120105	-36 68 6728 81	6 74	59 00	1 47	9 00	155101	117 04 6999 67	6 83	55 50	3 00	45 00
120106	-36 29 6731 93	5 75	38 50	1 88	12 00	155401	121 04 7017 08	6 41	72 50	2 71	27 00
120107	-36 68 6734 85	5 66	51 60	2 24	10 00	155402	128 38 7008 88	6 58	41 70	2 82	33 00
120108	-40 00 6732 78	5 58	50 00	1 66	9 00	156001	125 35 7008 88	5 80	27 50	3 82	33 00
120109	-31 26 6727 13	4 77	36 20	1 16	19 00		153 71 6998 22				

Nr.	Koordinater	pH	Kond.	TOC	Farge	Nr.	Koordinater	pH	Kond.	TOC	Farge
156301	171.55 6965.41	6.65	32.70	1.47	4.00	184101	515.48 7463.37	7.60	126.30	3.51	23.00
156302	168.66 6959.67	7.10	71.30	1.21	3.00	184102	521.01 7462.10	7.34	67.40	2.45	13.00
156601	180.93 6999.37	6.78	19.30	2.03	6.00	184103	555.98 7443.63	7.31	53.70	2.90	2.00
156701	212.15 7006.70	6.95	47.20	2.80	16.00	184104	509.15 7465.30	6.99	42.90	2.87	24.00
156901	184.30 7032.11	6.32	27.70	1.15	6.00	185001	556.71 7555.33	7.75	124.00	2.33	8.00
160101	279.20 7035.60	7.20	56.90	1.55	9.00	185101	539.80 7590.14	6.72	32.00	2.15	15.00
160102	264.05 7037.35	7.06	68.30	3.68	29.00	185401	572.64 7578.49	6.62	200.30	1.52	17.00
160103	273.15 7037.64	7.46	160.80	3.43	8.00	185701	401.20 7508.33	6.74	230.30	3.30	18.00
161201	202.04 7030.96	6.60	40.40	3.05	25.00	186001	450.66 7558.14	6.36	49.60	1.65	11.00
162401	246.84 7066.12	6.47	45.20	3.49	28.00	186002	443.08 7560.98	6.31	56.50	2.71	24.00
162402	263.09 7079.01	6.23	37.60	3.68	37.00	186003	437.43 7572.04	6.61	80.80	1.29	6.00
162403	250.49 7061.13	7.59	48.90	3.58	37.00	186501	480.95 7572.04	6.18	36.00	2.57	21.00
162404	244.61 7086.28	6.36	45.50	5.82	31.00	186502	477.01 7569.34	5.99	27.30	1.85	14.00
162701	262.48 7095.30	6.28	63.80	3.30	22.00	186601	497.29 7607.08	6.80	52.90	1.69	14.00
163001	230.41 6950.48	5.54	41.50	1.95	16.00	186602	491.34 7599.81	6.50	40.80	1.50	9.00
163601	233.24 7010.89	6.77	44.60	5.14	9.00	186603	496.75 7601.61	7.26	57.80	2.03	16.00
163602	233.92 7022.98	7.15	33.20	6.93	37.00	186801	504.44 7642.30	6.51	43.40	1.85	16.00
164001	316.02 6944.61	6.85	58.00	6.93	11.00	186802	510.84 7639.85	6.73	59.40	1.47	4.00
164401	316.75 6975.24	8.07	146.30	4.06	63.00	187001	515.44 7622.09	6.58	59.30	1.78	7.00
164801	263.16 7000.54	6.87	20.50	2.13	15.00	187002	513.67 7618.66	6.95	52.90	1.12	8.00
165301	262.36 7014.96	7.07	56.00	4.47	21.00	187003	510.62 7616.35	6.66	59.00	1.82	17.00
165701	256.49 7027.96	7.48	94.00	2.49	4.00	187004	522.02 7615.88	6.79	58.10	1.43	9.00
165702	249.55 7029.08	7.57	116.00	4.67	18.00	187005	506.03 7619.71	6.44	38.40	1.39	7.00
166201	277.28 7023.15	7.05	55.90	5.05	28.00	187006	510.04 7627.00	7.23	100.30	1.78	10.00
166301	291.99 7036.85	6.67	32.00	3.04	21.00	187101	541.95 7685.88	6.70	59.20	1.78	11.00
166302	285.05 7038.77	6.67	51.30	6.48	47.00	187102	541.54 7679.13	6.94	57.70	1.62	7.00
170201	332.45 7105.84	6.82	66.30	5.72	41.00	187103	535.94 7683.04	6.85	83.00	1.87	6.00
170202	325.27 7094.04	7.05	50.30	4.03	25.00	190101	556.58 7628.14	7.25	71.80	1.90	12.00
170203	339.09 7115.13	7.72	63.40	5.66	43.00	190201	655.50 7752.70	6.55	34.00	1.24	3.00
170301	331.52 7154.99	7.89	53.20	3.48	27.00	190202	649.26 7738.32	6.27	33.90	1.98	1.00
171101	299.04 7047.18	6.34	41.00	3.77	37.00	190203	658.84 7734.68	6.58	34.90	1.51	4.00
171102	310.10 7046.06	9.17	74.30	5.24	40.00	191101	545.82 7624.70	7.09	40.10	1.37	7.00
171701	291.00 7059.49	6.85	72.00	4.20	26.00	191701	586.88 7631.35	7.69	109.80	2.09	7.00
171801	317.33 7072.85	7.05	48.90	4.80	24.00	192201	630.19 7646.27	7.40	61.00	1.51	4.00
171901	310.11 7061.85	7.04	66.00	3.71	21.00	192301	616.12 7643.74	8.10	541.50	4.13	17.00
172101	332.48 7081.50	7.37	59.50	4.23	32.00	192401	637.15 7665.56	7.38	71.50	2.95	21.00
172102	326.69 7085.64	6.68	60.70	4.26	30.00	192402	644.13 7674.83	7.94	100.80	2.47	11.00
172401	315.29 7110.85	6.28	105.50	2.69	30.00	192403	670.71 7663.13	6.83	44.10	2.95	66.00
172402	309.74 7101.42	6.76	42.50	2.58	8.00	193101	612.21 7685.44	6.78	114.00	7.93	15.00
172901	322.21 7087.33	6.74	70.50	4.48	27.00	193102	621.94 7685.44	7.16	114.00	2.75	2.00
172902	320.38 7096.29	6.93	171.80	6.86	50.00	194101	727.34 7780.69	6.88	35.60	.92	1.00
175001	321.26 7199.07	6.42	90.00	4.78	64.00	200101	819.58 7866.71	6.31	34.70	1.70	17.00
180401	478.85 7465.49	6.90	178.80	1.82	8.00	200102	823.69 7863.77	6.77	55.20	1.91	11.00
180402	474.61 7468.58	6.43	78.80	2.67	23.00	200201	1093.97 7886.48	6.90	80.30	1.24	16.00
180403	490.44 7468.30	6.70	29.60	1.24	8.00	200301	1057.89 7844.38	7.34	57.20	4.15	32.00
180501	601.26 7594.16	6.43	17.80	1.24	2.00	200302	1040.41 7843.62	6.94	64.70	3.48	16.00
180502	605.09 7607.73	6.70	80.30	1.88	2.00	201101	821.19 7676.46	7.49	132.80	5.09	34.00
181201	372.88 7252.18	6.39	55.70	1.38	2.00	201102	837.73 7780.43	7.11	61.10	4.44	30.00
181301	371.89 7263.48	7.41	83.00	4.65	50.00	201201	812.86 7780.04	6.99	44.20	3.95	21.00
181501	358.86 7285.45	6.22	56.30	1.36	7.00	201202	821.92 7857.80	6.86	28.00	1.53	1.00
181801	382.88 7327.53	6.93	62.60	1.36	11.00	201801	850.19 7903.58	5.74	45.20	1.38	6.00
182001	393.56 7318.50	5.89	47.50	1.13	4.00	201901	897.28 7912.85	7.35	96.40	1.48	6.00
182002	388.44 7315.04	5.79	29.10	.98	4.00	201902	901.13 7913.32	7.11	83.30	4.74	24.00
182401	424.27 7299.84	6.94	68.50	.95	4.00	202001	880.06 7799.96	7.27	74.50	4.73	25.00
182801	412.20 7344.11	7.15	121.50	2.20	13.00	202101	909.16 7741.37	7.42	83.30	4.73	24.00
183301	453.58 7345.36	8.07	62.50	1.64	13.00	202201	947.92 7916.80	7.16	71.80	1.16	3.00
183302	463.89 7349.68	6.77	35.20	2.54	55.00	202301	964.20 7929.46	6.93	76.00	1.39	7.00
183303	459.04 7352.74	7.05	44.90	2.74	14.00	202302	975.77 7936.80	6.85	78.00	1.43	9.00
183901	486.64 7431.66	6.99	25.20	1.06	4.00	202401	1012.87 7920.79	6.79	57.10	1.92	4.00
184001	515.88 7441.85	7.27	55.50	1.65	1.00	202801	1039.40 7906.01	7.21	62.90	1.38	4.00
		7.63	70.00	2.70	14.00	202802	1039.94 7898.19	7.82	121.80	2.19	1.00
						203001	1071.11 7799.60	6.96	125.50	2.34	10.00

Nr.	pH	Kond.	TOC	Farge	Nr.	pH	Kond.	TOC	Farge
10101	6.33	59.10	5.32	20.00	50101	7.21	149.00	2.21	5.00
10201	8.71	67.00	3.51	13.00	50102	7.50	30.50	2.20	12.00
10301	8.60	76.00	1.90	9.00	50201	6.94	40.10	3.09	5.00
10302	7.77	66.00	4.43	9.00	50202	7.01	173.00	1.91	0.00
10501	7.51	93.00	7.64	16.00	51101	7.96	56.30	1.15	3.00
11501	7.34	92.00	3.68	0.00	51601	7.06	166.00	2.59	5.00
11901	6.06	57.70	5.53	40.00	51701	8.73	32.40	1.42	3.00
12201	7.72	129.00	2.39	6.00	52001	7.76	111.00	2.35	3.00
12301	6.57	59.70	5.54	50.00	52801	6.66	36.80	3.21	11.00
12401	7.36	75.00	2.19	4.00	52802	6.89	51.90	7.75	50.00
12501	8.48	73.00	2.12	2.00	52803	7.72	249.00	6.83	7.00
12801	7.60	232.00	4.09	6.00	52804	6.78	30.80	4.31	16.00
13801	6.88	55.00	3.53	7.00	52901	6.50	31.40	4.48	18.00
21301	7.28	248.00	3.73	7.00	52902	6.63	30.20	4.12	19.00
21501	7.11	132.00	5.22	29.00	53201	6.94	45.80	3.05	9.00
21502	5.58	76.00	2.75	1.00	53301	6.15	26.00	2.67	13.00
21601	7.77	100.00	3.51	12.00	53302	6.64	24.80	2.16	6.00
21801	7.91	179.00	3.59	0.00	53401	7.00	49.20	3.59	16.00
21901	7.71	41.70	4.83	18.00	53801	6.56	43.50	3.03	8.00
21902	6.05	40.70	5.60	28.00	54201	6.70	26.60	1.65	11.00
22001	6.88	49.10	3.27	13.00	60201	6.83	51.80	2.73	6.00
22002	7.40	180.00	4.96	32.00	60202	5.57	34.60	3.89	4.00
22101	9.81	67.00	3.54	13.00	60203	7.50	102.00	4.56	16.00
22601	6.90	49.80	5.57	26.00	60401	6.23	36.70	5.65	26.00
22602	7.10	106.00	3.00	0.00	60402	5.95	102.00	2.23	0.00
22603	6.46	48.00	6.88	32.00	60501	6.73	31.00	3.24	7.00
22701	5.48	26.20	6.68	45.00	60502	6.85	37.30	3.44	11.00
22702	8.76	617.00	6.72	2.00	61201	7.37	61.00	3.47	4.00
22801	6.42	32.20	1.95	3.00	61202	7.06	42.40	3.24	10.00
22901	7.10	40.10	4.60	95.00	61601	6.47	63.00	3.69	0.00
22902	6.34	35.20	3.52	16.00	61701	7.60	68.00	1.29	4.00
23001	6.51	35.70	2.82	10.00	61901	6.82	29.40	3.20	14.00
23101	7.89	93.00	1.00	5.00	62001	6.71	23.00	2.29	6.00
23102	7.70	44.70	3.02	12.00	62002	6.72	33.00	2.52	14.00
23103	5.63	34.70	3.17	19.00	62301	7.37	60.00	3.47	14.00
23104	7.56	36.40	4.19	32.00	62302	7.43	89.00	4.25	15.00
23301	4.92	33.20	4.02	30.00	62401	7.76	78.00	4.87	18.00
23501	9.20	36.20	3.20	16.00	62501	7.42	77.00	4.69	14.00
23601	6.54	35.70	6.96	34.00	62601	8.68	57.60	5.16	10.00
23602	6.52	36.00	9.99	53.00	62701	6.09	37.00	2.39	0.00
23701	6.80	36.00	2.97	13.00	62702	6.88	76.00	3.81	13.00
23702	6.89	41.00	2.61	10.00	62801	4.88	43.90	3.82	30.00
23801	5.13	23.40	2.95	10.00	62802	7.80	423.00	8.12	6.00
23802	5.48	30.30	5.77	33.00	62803	5.61	39.80	3.20	9.00
23803	5.59	21.50	2.78	9.00	62804	4.72	82.00	4.94	17.00
23804	5.52	23.90	3.74	10.00	62805	5.33	38.80	1.36	0.00
23805	5.70	24.50	2.88	20.00	70201	7.02	71.00	4.10	12.00
23806	6.37	39.00	2.42	7.00	70501	7.25	49.80	2.91	5.00
30101	6.44	30.60	2.87	5.00	70701	7.70	50.10	2.79	6.00
30102	6.38	39.50	3.83	10.00	70801	6.21	63.00	3.29	10.00
30103	6.54	33.20	4.22	25.00	71101	6.32	42.00	2.26	7.00
30104	6.59	45.40	4.02	5.00	71301	6.48	44.80	3.37	12.00
30105	7.03	52.80	3.79	2.00	72601	6.38	58.90	2.80	9.00
40101	6.99	41.60	3.80	9.00	72701	5.71	44.70	3.52	9.00
40201	7.52	92.00	1.68	4.00	80501	8.76	64.00	4.99	32.00
41201	7.94	300.00	3.07	0.00	80601	6.93	25.90	2.71	20.00
41202	8.05	113.00	4.50	2.00	80602	7.08	53.70	4.92	30.00
41203	7.41	50.00	2.48	6.00	80603	6.98	61.00	4.78	12.00
41401	5.95	39.10	9.56	74.00	80604	7.52	67.00	2.28	3.00
41501	6.64	30.50	7.91	38.00	80605	6.53	21.50	2.24	8.00
41701	7.15	38.60	2.28	14.00	80701	5.80	17.90	1.90	5.00
41801	6.35	40.30	5.35	21.00	81401	8.82	55.70	3.54	6.00
41901	7.55	110.00	3.46	4.00	81501	7.33	43.40	2.66	11.00
42001	5.98	72.00	1.65	0.00	81701	5.22	22.50	2.89	16.00
42002	5.83	63.00	2.03	0.00	81901	6.28	20.60	2.00	11.00
42301	8.25	95.00	6.20	33.00	81902	5.87	24.20	2.01	0.00
42501	8.96	48.40	4.44	35.00	82101	7.35	73.00	1.49	0.00
42601	5.77	110.00	1.37	0.00	82601	6.62	13.90	1.68	17.00
42602	7.57	60.00	1.80	3.00	82801	7.30	59.00	3.58	16.00
42701	6.34	92.00	3.02	0.00	82901	5.46	17.00	3.09	14.00
42702	6.33	78.00	2.76	2.00	90101	7.86	57.60	3.63	12.00
42801	6.68	31.10	4.70	28.00	90102	5.58	37.60	4.23	18.00
42901	6.74	147.00	2.48	4.00	90301	7.44	42.30	2.80	6.00
43001	6.68	46.40	0.87	0.00	90401	5.76	37.20	1.92	3.00
43601	8.79	102.00	3.96	5.00	91401	5.52	48.00	2.75	17.00
43701	7.76	105.00	4.58	3.00	91901	5.29	26.70	3.35	20.00
					92601	9.19	52.30	2.45	7.00
					92801	7.90	73.00	0.94	3.00
					93701	7.32	55.40	1.30	0.00

Nr.	pH	Kond.	TOC	Farge	Nr.	pH	Kond.	TOC	Farge
100101	7.58	74.00	2.80	2.00	150101	7.58	49.40	2.70	1.00
100102	7.40	68.00	3.07	5.00	150201	5.94	32.60	4.01	28.00
100201	7.03	55.40	.90	.00	150202	6.36	26.10	2.91	18.00
100301	5.49	64.00	1.05	2.00	150203	6.49	35.70	7.60	67.00
100302	5.29	87.00	2.13	9.00	150301	6.71	44.00	2.88	7.00
100401	7.25	55.80	1.28	.00	151401	6.27	34.60	3.26	26.00
100402	4.71	46.10	1.29	3.00	151601	6.49	31.60	2.18	20.00
100403	6.57	51.90	1.96	16.00	151602	6.74	34.80	1.71	16.00
101401	7.50	247.00	.66	.00	151701				
101402	4.71	43.10	3.43	7.00	151901	6.75	26.50	1.35	6.00
102101	4.78	43.10	2.60	10.00	152001	6.26	17.40	.38	2.00
102901	4.76	61.00	1.49	4.00	152501	8.74	20.00	1.14	.00
103201	5.33	51.90	1.29	4.00	152801	9.55	37.50	2.01	7.00
103202	4.82	44.20	2.80	10.00	153201	5.88	60.00	2.78	14.00
103701	9.40	81.00	1.19	3.00	153401	6.68	28.40	1.86	9.00
110101	6.07	65.00	.82	10.00	153402	5.57	34.90	2.71	17.00
110201	6.55	66.00	2.68	7.00	153501	6.07	16.50	.69	4.00
110301	7.08	44.30	1.47	7.00	153901	6.63	22.00	1.46	7.00
110601	7.60	66.00	2.89	6.00	153902	6.27	16.60	1.12	.00
111101	8.95	64.00	1.66	2.00	154601	6.76	91.00	10.02	145.00
113001	5.05	34.90	1.90	6.00	154701	7.74	77.00	4.24	75.00
113002	6.83	61.00	2.31	7.00	154801	7.22	51.00	3.19	5.00
113501	5.36	11.80	.94	2.00	155101	6.97	29.90	1.35	6.00
114101	6.87	81.00	2.26	4.00	155401	6.90	50.50	4.10	40.00
114901	6.26	99.00	3.50	16.00	155402	6.59	72.00	5.34	51.00
114902	6.12	90.00	2.59	9.00	155403	6.67	48.80	2.61	19.00
114903	5.12	103.00	3.72	22.00	156001	5.88	21.80	4.72	43.00
114904	6.13	84.00	3.05	20.00	156301	6.62	35.10	2.00	.00
120101	4.75	33.60	2.00	3.00	156302	7.22	68.00	1.61	7.00
120102	4.74	30.70	1.73	7.00	156601	6.69	13.30	1.70	.00
120103	4.62	39.20	2.75	9.00	156701	6.92	45.30	2.93	11.00
120104	7.68	38.50	3.14	34.00	156901	6.39	25.80	1.24	6.00
120105	7.62	56.80	1.96	6.00	160101	7.22	54.10	2.55	8.00
120106	5.42	40.80	1.77	.00	160102	7.06	72.00	3.95	28.00
120107	5.83	46.40	2.09	16.00	160103	7.56	144.00	3.30	2.00
120108	5.43	47.40	1.71	10.00	161201	6.86	37.90	3.24	29.00
120109	4.83	30.00	1.99	.00	162401	6.87	45.70	3.64	23.00
120110	6.11	36.40	2.36	11.00	162402	6.21	27.30	4.59	39.00
120111	5.72	20.20	1.20	8.00	162403	8.86	47.70	3.67	26.00
120112	5.62	27.60	1.77	4.00	162404	6.41	44.80	8.25	54.00
120113	5.03	40.80	2.16	10.00	162701	6.47	61.00	2.92	20.00
120114	9.09	53.30	2.04	3.00	163001	5.87	43.60	.64	.00
121901	5.80	85.00	1.50	3.00	163401	7.74	69.00	3.78	14.00
122101	5.51	24.70	2.88	23.00	163601	6.86	43.40	4.97	34.00
122401	5.07	20.50	.88	7.00	163602	7.23	37.20	4.01	11.00
122801	5.39	13.80	.98	10.00	163801	6.99	55.50	7.80	47.00
122802	6.73	21.10	1.68	4.00	164001	8.10	128.00	5.78	3.00
122803	7.40	14.10	.74	.00	164401	6.90	20.10	2.29	13.00
123501	6.31	57.30	.30	1.00	164801	7.05	52.30	5.76	15.00
123801	5.81	12.60	.54	4.00	165301	7.50	90.00	2.15	3.00
124301	6.95	31.50	1.89	10.00	165701	7.57	116.00	4.67	18.00
124701	5.42	44.80	3.67	25.00	165702	7.07	55.90	5.05	28.00
125101	5.73	18.20	1.49	7.00	166201	7.01	31.30	4.23	25.00
125102	6.16	21.60	1.20	5.00	166301	7.03	48.10	7.96	57.00
125103	5.41	20.40	1.84	9.00	166302	7.13	63.00	7.07	37.00
126301	7.03	53.10	3.92	41.00	170201	6.79	49.50	5.35	21.00
140101	6.09	28.50	.61	6.00	170202	7.06	64.00	6.08	40.00
141601	5.39	12.50	.55	16.00	170203	9.20	53.20	4.18	23.00
141602	5.44	19.80	2.51	10.00	170301	7.49	34.10	3.71	30.00
142001	6.51	17.50	2.38	17.00	171401	6.34	30.20	5.32	30.00
142201	6.95	25.90	1.84	7.00	171402	9.78	78.00	6.30	21.00
142401	6.03	8.90	.42	1.00	171701	7.07	67.00	5.27	15.00
142402	7.64	64.00	.47	.00	171801	7.18	48.70	2.39	17.00
142801	6.21	36.80	1.00	2.00	171901	7.03	66.00	3.92	19.00
142901	5.56	20.50	2.07	14.00	172101	7.71	55.50	4.09	29.00
143201	5.48	17.10	2.37	26.00	172102	6.79	58.90	4.87	25.00
143801	6.58	37.30	2.27	12.00	172401	6.92	84.00	3.25	5.00
143901	5.81	38.80	3.89	39.00	172402	6.66	37.10	2.70	24.00
143902	6.78	40.70	3.74	26.00	172901	6.99	62.00	4.73	20.00
143903	5.42	42.30	4.73	47.00	172902	6.97	156.00	6.41	42.00
143904	6.39	27.80	3.50	29.00	175001	7.03	102.00	7.37	78.00
144301	5.82	18.20	2.40	9.00					
144302	6.08	20.20	1.91	5.00					
144501	6.57	13.50	1.79	4.00					

Nr.	pH	Kond.	TOC	Farge
180401	7.46	102.00	1.70	8.00
180402	7.07	72.00	2.30	22.00
180403	6.64	30.20	1.57	9.00
180501	6.62	17.30	1.13	5.00
180502	7.79	102.00	2.31	2.00
181201	6.14	45.80	2.84	14.00
181202	8.33	60.00	3.93	40.00
181301	7.04	52.90	1.66	7.00
181501	6.31	63.00	1.63	17.00
181801	7.32	50.50	1.18	.00
182001	5.83	27.00	.48	3.00
182002	5.10	17.60	1.10	3.00
182401	7.03	75.00	2.34	3.00
182801	7.12	117.00	1.85	8.00
183201	7.68	44.00	1.90	23.00
183301	6.84	29.10	3.16	15.00
183302	6.77	30.40	3.54	25.00
183303	6.93	20.70	.73	2.00
183901	7.55	54.60	2.70	.00
184001	7.77	71.00	3.17	21.00
184101	7.60	131.00	3.32	14.00
184102	7.43	53.20	3.78	12.00
184103	7.27	51.00	.36	1.00
184104	7.06	38.00	3.49	22.00
185001	7.71	125.00	2.67	6.00
185101	6.85	33.70	1.79	17.00
185401	6.72	21.50	1.41	5.00
185701	6.71	208.00	2.18	4.00
186001	6.52	48.70	1.58	5.00
186002	6.34	56.20	2.83	20.00
186003	6.58	76.00	1.42	6.00
186501	5.83	32.80	1.14	7.00
186502	6.00	31.10	1.44	9.00
186601	6.83	38.50	2.29	12.00
186602	6.75	36.90	1.51	7.00
186603	7.10	41.20	3.93	37.00
186604	6.77	29.10	2.86	16.00
186801	6.80	38.00	1.78	2.00
186802	6.74	38.00	2.39	10.00
187001	6.94	50.30	1.68	11.00
187002	6.64	43.90	1.22	9.00
187003	6.70	49.60	1.35	8.00
187004	6.35	35.00	1.40	5.00
187005	6.46	37.70	1.26	5.00
187006	7.38	95.00	2.19	10.00
187101	6.81	53.60	1.19	8.00
187102	7.16	55.10	1.35	5.00
187103	7.00	80.00	2.82	4.00
190101	7.30	66.00	3.17	8.00
190201	6.50	23.90	1.61	.00
190202	6.75	18.60	1.29	2.00
190203	6.41	18.40	1.08	.00
191101	7.43	38.70	2.47	9.00
191701	7.87	129.00	1.34	4.00
192201	7.44	57.00	2.53	14.00
192301	8.05	477.00	4.55	9.00
192401	7.52	69.00	3.11	10.00
192402	8.37	90.00	3.24	17.00
192403	6.75	41.30	7.70	54.00
193101	7.02	25.70	1.75	14.00
193102	7.09	116.00	4.37	14.00
194101	7.05	28.20	.55	2.00
200101	6.16	25.40	.79	.00
200102	6.93	46.40	2.59	9.00
200201	7.15	70.00	3.16	16.00
200301	7.20	53.20	3.27	19.00
200302	7.04	48.50	5.48	35.00
201101	7.58	126.00	3.77	23.00
201102	7.21	50.40	5.94	23.00
201201	7.13	36.70	6.79	31.00
201202	6.84	25.00	4.50	17.00
201601	5.71	43.60	.25	.00
201801	7.46	75.00	1.98	2.00
201901	7.52	97.00	.95	3.00
201902	7.28	83.00	1.26	7.00
202001	7.27	71.00	3.83	21.00
202101	7.39	67.00	6.23	20.00
202201	7.35	72.00	.86	3.00
202301	6.92	70.00	1.82	8.00
202302	6.90	74.00	1.12	12.00
202401	6.80	51.80	1.09	12.00
202801	7.12	59.00	1.58	3.00
202802	7.73	120.00	3.86	2.00
203001	6.93	23.60	3.24	9.00

Nr.	pH	Kond.	TOC	Farge	F	Cl	Br	NO ₃	SO ₄
10101	6.01	54.10	4.81	36.00	90.00	7.00	11.00	1.68	9.16
10201	7.53	70.00	1.36	4.00	61.00	2.65	.00	1.82	15.50
10301	7.82	95.00	1.39	3.00	100.00	6.10	6.00	2.45	20.20
10302	6.81	64.00	4.04	24.00	152.00	9.00	.00	.88	9.60
10501	7.52	117.00	6.02	45.00	156.00	12.80	6.00	4.34	13.40
11501	8.36	113.00	2.81	7.00	79.00	9.50	12.00	1.97	26.30
11901	6.10	59.00	6.75	65.00	99.00	6.90	.00	3.28	9.49
12201	7.51	155.00	1.90	5.00	158.00	16.40	48.00	.00	16.20
12301	6.42	62.00	3.49	25.00	101.00	6.60	.00	.99	9.41
12401	6.96	77.00	.92	2.00	49.00	2.51	6.00	1.92	19.90
12501	6.94	81.00	1.16	.00	55.00	2.96	.00	1.82	20.30
12801	8.29	217.00	3.56	8.00	284.00	14.00	45.00	1.11	14.60
13801	6.66	56.20	3.20	10.00	86.00	6.10	6.00	.58	9.27
21301	7.46	247.00	3.06	2.00	359.00	9.55	21.00	.22	17.90
21501	6.76	134.00	8.24	84.00	153.00	7.20	.00	2.05	31.90
21502	5.93	99.00	2.29	10.00	98.00	7.20	14.00	.85	27.90
21601	6.64	94.00	2.44	3.00	101.00	5.20	.00	1.31	25.50
21801	7.72	184.00	2.59	3.00	170.00	13.25	27.00	5.40	35.20
21901	7.19	41.50	4.17	20.00	76.00	2.30	.00	.78	6.79
21902	7.23	44.60	3.96	19.00	100.00	2.29	.00	.93	7.60
22001	7.15	76.00	2.52	21.00	91.00	2.81	6.00	1.58	10.40
22002	7.46	211.00	5.25	20.00	168.00	8.60	15.00	3.89	16.80
22101	6.91	47.00	4.18	18.00	230.00	3.57	5.00	.46	8.16
22601	6.71	51.30	6.35	45.00	64.00	2.28	.00	.70	6.93
22602	8.25	151.00	7.70	92.00	93.00	3.08	.00	.07	29.80
22603	6.50	41.60	6.33	52.00	70.00	3.00	.00	.00	9.11
22701	5.05	33.10	5.18	66.00	44.00	2.62	.00	.49	6.83
22702	5.55	45.20	7.20	47.00	67.00	3.03	6.00	.64	11.60
22801	6.12	34.20	2.28	8.00	43.00	2.35	.00	.00	8.40
22901	6.58	49.00	3.86	120.00	61.00	3.20	8.00	.50	9.35
22902	5.97	41.50	4.02	31.00	52.00	3.85	8.00	.34	8.46
23001	6.10	37.60	2.95	19.00	68.00	3.33	.00	.49	7.99
23101	6.71	78.00	.40	.00	48.00	1.79	.00	1.46	20.30
23102	6.18	36.70	3.92	24.00	53.00	2.53	.00	.00	7.97
23103					86.00	3.54	.00	.55	9.49
23104	6.25	34.60	3.89	40.00	158.00	2.26	6.00	.16	7.83
23301	7.73	74.00	2.30	17.00	121.00	2.11	.00	1.06	8.83
23501	8.68	41.50	2.71	22.00	158.00	1.82	.00	.00	6.48
23601	6.07	40.40	7.71	51.00	55.00	2.20	.00	.37	7.64
23602	5.80	38.30	9.52	76.00	67.00	2.84	.00	2.53	7.87
23701	6.18	38.30	3.23	23.00	302.00	2.22	.00	.41	7.63
23702	6.99	48.10	2.61	12.00	165.00	1.88	.00	1.04	7.29
23801	4.81	27.40	3.13	22.00	180.00	1.51	.00	.59	6.89
23802	5.94	30.00	4.65	41.00	106.00	2.01	.00	.31	7.38
23803	5.11	23.50	2.57	10.00	376.00	1.52	.00	1.07	5.87
23804	5.59	25.10	2.77	16.00	195.00	1.57	.00	.37	6.61
23805	7.22	37.70	2.94	24.00	220.00	1.76	.00	.78	8.12
23806	6.15	42.10	2.46	18.00	62.00	1.94	8.00	.11	8.65
30101	6.45	34.70	2.81	11.00	103.00	2.31	.00	.98	7.56
30102	6.20	38.80	3.09	14.00	78.00	3.35	.00	.80	8.51
30103	6.38	32.50	3.32	21.00	68.00	1.87	.00	.19	6.76
30104	6.36	47.50	2.92	12.00	76.00	3.27	.00	.17	9.81
30105	6.82	55.90	2.02	8.00	216.00	2.70	.00	.52	10.60
40101	6.95	42.80	2.21	11.00	51.00	2.10	.00	1.52	6.61
40201	8.91	113.00	1.50	3.00	145.00	4.76	.00	.87	12.90
41201	7.87	307.00	3.39	2.00	278.00	7.10	.00	10.90	18.10
41202	7.19	116.00	2.76	5.00	72.00	5.30	.00	2.65	27.20
41203	7.34	49.10	2.47	10.00	56.00	1.58	.00	.19	6.73
41401	6.48	45.40	8.20	82.00	39.00	3.89	.00	.21	6.43
41501	6.24	35.90	7.59	48.00	238.00	1.56	.00	.03	4.68
41701	6.62	42.70	1.81	10.00	50.00	1.99	.00	1.95	6.58
41801	6.20	41.80	5.46	27.00	76.00	1.60	.00	.01	8.12
41901	7.52	137.00	3.94	5.00	79.00	1.89	.00	.00	39.60
42001	5.89	66.00	.75	.00	110.00	4.90	14.00	4.39	14.30
42002	5.96	58.00	1.06	.00	81.00	4.20	9.00	5.05	10.40
42301	7.06	106.00	4.17	57.00	126.00	2.64	.00	.78	29.70
42501	6.95	46.30	2.83	19.00	57.00	1.89	.00	1.01	5.60
42601	5.87	115.00	1.02	1.00	66.00	9.10	.00	15.50	9.27
42602	7.73	68.00	1.46	9.00	68.00	1.51	.00	1.02	13.80
42701	7.26	155.00	1.56	2.00	174.00	7.90	14.00	10.10	10.40
42702	6.96	119.00	1.01	1.00	94.00	5.70	18.00	8.90	7.56
42801	6.71	35.10	3.58	35.00	226.00	.65	.00	.00	4.65
42901	6.87	158.00	1.12	5.00	106.00	5.90	15.00	10.00	19.20
43001	6.78	50.70	.40	.00	53.00	1.55	.00	.82	6.23
43601	7.36	109.00	2.78	10.00	76.00	1.77	.00	.00	6.44
43701	7.40	116.00	1.72	4.00	86.00	.83	.00	.71	5.49

Nr.	pH	Kond.	TOC	Farge	F	Cl	Br	NO ₃	SO ₄
50101	7.38	159.00	1.33	1.00	117.00	7.50	11.00	3.64	19.30
50102	7.02	30.10	.81	3.00	45.00	1.26	.00	.67	4.19
50201	7.01	42.20	1.67	9.00	42.00	2.00	.00	1.92	6.41
50202	6.92	183.00	1.12	6.00	126.00	5.20	9.00	6.51	13.90
51101	8.30	91.00	.77	2.00	68.00	.65	.00	.50	6.99
51601	6.99	135.00	.77	1.00	92.00	6.20	6.00	5.42	16.70
51701	7.29	27.50	.55	4.00	18.00	.51	.00	.77	4.17
52001	7.96	112.00	1.06	4.00	77.00	2.73	.00	3.03	4.23
52801	6.52	41.70	2.84	14.00	61.00	2.85	.00	.78	6.83
52802	6.99	53.60	6.25	49.00	85.00	3.01	.00	.90	5.81
52803	7.40	305.00	5.86	14.00	192.00	12.00	11.00	6.89	13.80
52804	6.34	24.30	2.57	13.00	136.00	1.23	.00	.58	5.49
52901	6.33	32.60	4.73	29.00	58.00	1.93	.00	.69	5.49
52902	6.38	33.40	5.17	31.00	65.00	2.06	.00	.64	5.80
53201	7.13	49.40	2.67	17.00	58.00	2.26	.00	.68	7.31
53301	6.38	28.90	2.02	13.00	206.00	1.65	6.00	.29	6.73
53302	7.39	38.80	1.94	8.00	138.00	1.79	.00	.44	4.83
53401	7.12	51.80	2.85	13.00	58.00	2.96	.00	1.82	6.99
53801	6.62	48.60	1.04	1.00	44.00	1.19	5.00	.85	7.24
54201	6.63	25.60	1.29	7.00	41.00	1.09	.00	.00	3.77
60201	6.80	48.30	1.64	5.00	328.00	1.08	.00	.82	8.09
60202	5.74	36.10	1.06	5.00	440.00	2.40	12.00	.36	9.65
60203	7.22	124.00	2.41	13.00	254.00	1.58	.00	1.00	9.00
60401	5.92	31.60	3.56	26.00	159.00	2.17	.00	.39	7.11
60402	5.69	107.00	.70	4.00	156.00	9.50	.00	21.40	13.90
60501	6.86	29.00	1.84	9.00	51.00	2.10	.00	.71	3.75
60502	6.96	42.50	3.01	17.00	45.00	1.61	.00	1.39	8.40
61201	7.10	77.00	2.42	5.00	88.00	5.20	6.00	1.30	8.02
61202	7.18	45.50	1.77	11.00	59.00	2.28	.00	.53	5.53
61601	7.76	70.00	.84	2.00	86.00	1.16	.00	.71	4.41
61701	8.75	76.00	.99	3.00	108.00	1.97	5.00	1.52	5.68
61901	6.97	41.50	2.36	20.00	46.00	.56	.00	.00	3.96
62001	6.56	38.30	1.18	14.00	52.00	.79	.00	.70	3.77
62002	6.60	36.00	1.86	10.00	174.00	.46	.00	.00	5.75
62301	7.45	70.00	2.31	10.00	228.00	1.80	.00	.80	9.49
62302	7.43	93.00	2.89	12.00	136.00	1.84	.00	1.63	13.50
62401	7.58	92.00	4.56	19.00	278.00	2.24	.00	.87	9.31
62501	7.43	83.00	2.77	21.00	300.00	2.48	.00	1.05	9.80
62601	7.94	53.10	2.31	16.00	78.00	2.14	.00	.07	5.78
62701	6.05	42.70	2.11	11.00	567.00	2.76	12.00	.84	10.01
62702	6.75	77.00	3.75	16.00	191.00	3.64	12.00	.39	16.00
62801	4.73	48.70	4.30	34.00	174.00	5.20	15.00	1.70	10.10
62802	7.71	381.00	4.03	13.00	1208.00	26.30	88.00	.00	21.10
62803	5.70	42.80	2.30	11.00	516.00	3.34	9.00	1.65	9.88
62804	4.80	69.00	3.11	28.00	228.00	8.00	21.00	1.31	15.70
62805	5.33	40.90	.84	2.00	290.00	3.19	14.00	2.12	9.67
70201	6.96	77.00	3.34	17.00	194.00	3.99	5.00	.48	10.70
70501	7.10	49.70	2.46	13.00	98.00	5.20	9.00	.10	7.83
70701	7.75	47.90	2.91	17.00	96.00	5.04	.00	2.35	7.99
70801	6.00	62.00	2.97	20.00	87.00	10.00	24.00	1.55	10.30
71101	6.13	41.10	1.71	9.00	453.00	2.91	5.00	.73	9.27
71301	6.56	52.10	2.83	22.00	246.00	2.76	.00	.73	10.10
72601	6.33	63.00	2.84	22.00	88.00	9.10	24.00	1.41	9.74
72701	5.44	43.50	2.41	15.00	56.00	5.60	17.00	1.29	8.15
80501	8.28	68.00	3.82	26.00	134.00	5.50	.00	1.46	9.31
80601	8.77	33.50	1.73	12.00	79.00	1.63	.00	.75	3.53
80602	8.15	67.00	3.21	23.00	176.00	4.73	.00	.36	9.52
80603	6.53	56.40	3.02	18.00	544.00	4.97	.00	.95	10.10
80604	8.60	78.00	1.75	6.00	49.00	2.23	.00	.92	22.70
80605	6.45	22.50	1.61	11.00	78.00	1.54	.00	.00	3.74
80701	5.71	18.10	1.04	4.00	69.00	.91	.00	3.00	2.90
81401	9.67	67.00	2.66	14.00	118.00	4.85	.00	1.70	7.11
81501	6.83	41.00	3.18	26.00	59.00	3.92	12.00	.75	6.45
81701	5.26	23.70	3.21	27.00	56.00	1.97	.00	.75	5.15
81901	6.59	24.90	1.71	11.00	78.00	2.15	.00	1.82	3.65
81902	5.95	25.50	2.10	10.00	119.00	1.51	.00	1.08	5.49
82101	7.00	70.00	.69	1.00	105.00	1.68	.00	1.53	4.21
82601	6.37	14.50	.99	6.00	66.00	.75	.00	.20	2.59
82801	6.62	23.80	1.76	12.00	42.00	1.73	.00	.00	5.05
82901	5.45	19.50	3.71	32.00	34.00	1.35	.00	.32	4.30
90101	6.68	64.00	2.57	125.00	92.00	9.30	.00	.01	9.27
90102	5.56	39.70	3.46	29.00	56.00	5.50	.00	.98	6.72
90301	6.95	41.80	1.76	12.00	98.00	5.70	.00	1.63	7.14
90401	4.59	42.40	1.92	6.00	77.00	5.20	17.00	1.62	7.00
91401	5.31	51.30	2.89	19.00	70.00	7.30	24.00	1.24	9.72
91901	5.37	20.00	1.57	9.00	80.00	2.40	5.00	.65	3.64
92601	7.41	49.20	2.13	12.00	116.00	7.40	23.00	1.43	7.71
92801	6.90	64.00	.41	1.00	123.00	4.64	18.00	3.58	6.16
93701	7.37	57.60	.61	2.00	172.00	4.83	12.00	1.28	6.93

Nr.	pH	Kond.	TOC	Farge	F	Cl	Br	NO ₃	SO ₄
100101	7.58	69.00	1.79	15.00	94.00	11.60	37.00	1.43	6.50
100102	6.90	68.00	1.93	12.00	86.00	12.10	18.00	1.82	8.88
100201	5.28	61.00	.70	.00	98.00	11.80	29.00	1.85	8.06
100301	4.73	82.00	1.04	9.00	68.00	18.80	39.00	.65	6.44
100302	4.74	107.00	1.48	14.00	83.00	25.00	51.00	1.08	7.55
100401	6.16	54.60	2.17	12.00	48.00	12.20	33.00	1.31	5.32
100402	4.68	56.00	.75	4.00	44.00	12.70	29.00	.95	5.01
100403	6.65	57.50	.91	13.00	68.00	11.90	35.00	.88	5.40
101401	7.36	252.00	.42	1.00	139.00	58.50	345.00	1.12	6.85
101402	4.72	48.40	2.96	27.00	58.00	8.70	24.00	.63	6.06
102101	4.68	50.30	2.37	30.00	61.00	9.30	17.00	.49	6.03
102901	7.54	69.00	1.34	9.00	83.00	13.90	63.00	1.28	7.08
103201					100.00	11.40	29.00	1.32	7.36
103202					88.00	7.70	24.00	.73	6.71
103701	6.50	69.00	.63	7.00	128.00	10.30	30.00	3.28	7.14
110101	5.88	71.00	.46	10.00	39.00	16.70	65.00	1.82	6.73
110201	5.84	65.00	1.37	12.00	73.00	15.00	32.00	1.24	5.85
110301	6.64	46.40	.88	5.00	58.00	10.30	23.00	1.29	4.03
110601	6.94	64.00	2.24	21.00	66.00	14.10	8.00	.88	5.52
111101	6.61	53.70	.91	8.00	40.00	11.70	14.00	1.60	5.04
113001	5.07	34.80	1.42	8.00	44.00	7.80	24.00	.65	3.12
113002	6.54	59.10	1.41	6.00	102.00	10.40	36.00	1.31	4.83
113501	5.18	15.30	.51	4.00	28.00	2.25	6.00	.77	1.75
114101	6.95	82.00	1.14	7.00	63.00	18.80	53.00	.85	7.28
114901	5.46	109.00	2.43	19.00	66.00	27.70	45.00	.80	7.81
114902	5.77	103.00	1.96	16.00	54.00	23.10	45.00	1.04	6.75
114903	5.15	113.00	2.67	27.00	61.00	29.90	69.00	.90	8.43
114904	5.70	93.00	1.68	18.00	54.00	24.40	50.00	.99	7.14
120101	4.69	48.20	.72	6.00	34.00	10.70	18.00	.56	3.29
120102	4.55	42.80	1.14	9.00	26.00	8.70	20.00	.60	3.07
120103	4.60	49.50	1.13	11.00	51.00	10.70	23.00	.59	3.78
120104	5.31	50.60	1.55	18.00	37.00	12.80	8.00	.54	3.42
120105	6.32	59.60	1.91	17.00	40.00	13.50	21.00	.92	5.82
120106	5.69	43.50	.75	10.00	41.00	11.00	20.00	.59	3.26
120107	5.34	54.30	1.32	12.00	51.00	12.40	27.00	.82	5.57
120108	5.51	50.10	1.66	12.00	53.00	10.40	27.00	.19	5.60
120109	4.63	46.70	1.06	13.00	36.00	10.70	24.00	.45	2.97
120110	5.88	40.70	1.74	13.00	32.00	8.20	8.00	.70	4.40
120111	5.16	39.80	.34	4.00	22.00	9.90	26.00	.67	2.48
120112	5.22	46.30	.78	7.00	27.00	11.30	18.00	.46	2.67
120113	4.87	49.10	.98	11.00	54.00	11.30	27.00	.41	4.12
120114	7.24	52.40	1.22	11.00	51.00	10.10	21.00	.01	3.93
121901	5.78	91.00	1.13	7.00	54.00	23.40	51.00	.53	7.34
122101	6.60	37.10	1.07	7.00	23.00	6.90	12.00	1.10	3.35
122401	5.61	36.30	.71	4.00	135.00	8.00	21.00	1.02	2.77
122801	6.01	17.90	.65	7.00	34.00	2.76	.00	.76	2.27
122802	6.53	23.80	.47	3.00	98.00	3.70	.00	.66	2.34
122803	7.87	16.90	.81	9.00	29.00	1.45	5.00	.00	1.93
123501	6.41	70.00	.44	.00	42.00	6.00	12.00	4.54	5.81
123801	5.52	20.20	.36	3.00	33.00	4.41	12.00	.60	1.85
124301	6.11	43.90	1.06	8.00	30.00	9.70	8.00	.53	2.69
124701	5.02	57.10	2.33	30.00	46.00	14.10	21.00	.65	4.91
125101	6.00	22.40	.46	5.00	25.00	4.59	12.00	.53	2.44
125102	5.63	34.30	.40	6.00	24.00	8.60	20.00	.51	2.39
125103	5.21	35.20	.51	5.00	33.00	8.20	18.00	.61	2.20
126301	6.00	62.00	1.75	27.00	64.00	15.30	27.00	.00	4.20
140101	6.73	40.80	.35	16.00	26.00	9.30	27.00	.72	2.69
141601	5.25	19.20	.41	6.00	59.00	3.89	.00	.34	2.04
141602	5.02	38.70	.67	7.00	45.00	9.80	12.00	.33	1.97
142001	6.58	28.80	1.16	11.00	66.00	4.95	.00	.90	3.07
142201	6.77	47.80	1.44	8.00	102.00	1.76	.00	.90	11.40
142401	6.12	9.00	.23	.00	24.00	.53	.00	.53	1.92
142402	10.28	124.00	.35	1.00	117.00	3.59	.00	2.12	10.57
142801	5.61	61.00	.47	2.00	47.00	16.90	35.00	.48	2.66
142901	5.30	37.70	.50	3.00	29.00	9.40	23.00	.50	2.46
143201	5.45	18.00	2.27	43.00	20.00	3.26	.00	.00	1.74
143801	6.13	46.70	1.06	13.00	27.00	10.50	24.00	.75	3.61
143901	5.23	85.00	1.05	12.00	39.00	22.60	45.00	.00	3.61
143902	6.41	81.00	1.00	12.00	33.00	21.70	42.00	.18	3.72
143903	5.34	54.60	1.14	14.00	28.00	14.20	30.00	.14	3.50
143904	5.97	51.60	1.29	18.00	27.00	13.80	18.00	.00	2.87
144301	5.50	43.10	.63	4.00	44.00	11.20	23.00	.23	2.80
144302	5.97	30.80	.38	2.00	21.00	7.80	21.00	.34	1.88
144501	6.60	28.60	1.29	14.00	59.00	5.50	9.00	.00	1.96

Nr.	pH	Kond.	TOC	Farge	F	Cl	Br	NO ₃	SO ₄
150101	8.86	54.10	1.40	8.00	35.00	9.70	15.00	.46	2.79
150201	5.60	50.70	1.81	22.00	26.00	14.40	23.00	.00	2.44
150202	6.31	40.90	1.28	18.00	21.00	10.50	20.00	.00	2.00
150203	6.10	52.20	5.96	60.00	34.00	12.40	18.00	.00	2.70
150301	6.84	48.10	2.26	16.00	28.00	9.90	.00	.36	2.86
151401	5.96	68.00	1.16	15.00	34.00	16.40	38.00	.18	3.18
151601	6.50	42.60	.99	13.00	18.00	10.20	23.00	.00	2.23
151602	6.25	39.20	.77	9.00	26.00	9.30	21.00	.05	2.30
151701	7.16	38.20	2.83	23.00	26.00	9.50	15.00	.26	2.42
151901	6.47	33.60	1.14	7.00	27.00	6.60	12.00	.00	1.89
152001	6.25	35.40	.57	.00	30.00	8.30	26.00	.40	1.93
152501	7.33	31.30	.97	12.00	33.00	4.31	.00	.01	1.71
152801	7.90	30.80	2.08	6.00	27.00	4.36	11.00	.00	1.83
153201	5.58	74.00	1.90	18.00	44.00	18.00	39.00	.00	3.74
153401	6.28	30.10	1.50	7.00	33.00	6.30	14.00	.00	2.07
153402	5.87	32.40	1.63	10.00	36.00	8.00	18.00	.00	2.23
153501	6.16	34.30	.83	3.00	24.00	7.50	18.00	.11	2.06
153901	6.37	28.10	1.23	2.00	16.00	4.81	8.00	.17	3.49
153902	6.17	29.30	1.04	4.00	33.00	6.30	9.00	.31	2.21
154601	6.50	132.00	4.11	67.00	61.00	33.70	62.00	.00	5.61
154701	7.76	81.00	4.46	62.00	45.00	14.60	.00	.14	2.98
154801	7.00	55.30	.56	4.00	24.00	11.60	18.00	.14	2.63
155101	6.24	33.00	.66	6.00	14.00	8.10	18.00	.43	2.16
155401	6.71	66.00	1.46	19.00	36.00	13.90	23.00	.00	3.95
155402	6.52	69.00	5.75	38.00	52.00	15.90	30.00	.00	3.91
155403	6.22	56.70	1.71	18.00	29.00	13.20	11.00	.34	3.07
156001	5.68	34.50	2.98	27.00	28.00	8.40	.00	.00	1.90
156301	6.78	41.00	1.03	4.00	58.00	3.68	8.00	1.24	5.68
156302	7.15	84.00	.61	1.00	438.00	2.94	9.00	.00	22.10
156601	6.66	23.40	1.34	6.00	20.00	4.38	6.00	.00	1.36
156701	7.00	48.10	2.67	18.00	46.00	4.83	15.00	.01	2.88
156901	6.12	28.20	.97	7.00	18.00	6.00	15.00	.00	2.52
160101	7.14	56.80	2.29	9.00	40.00	6.40	.00	.87	3.57
160102	6.86	67.00	3.81	32.00	46.00	9.25	.00	.26	4.70
160103	7.22	176.00	3.37	10.00	104.00	10.20	12.00	1.07	8.86
161201	6.39	41.10	3.17	24.00	30.00	7.80	9.00	.02	2.56
162401	6.41	49.80	2.74	30.00	53.00	9.50	23.00	.00	3.82
162402	6.16	47.00	2.42	28.00	38.00	12.60	21.00	.00	2.27
162403	7.10	50.00	3.62	42.00	43.00	10.30	23.00	.00	2.74
162404	6.35	64.00	4.95	59.00	32.00	13.00	24.00	.00	3.53
162701	6.41	65.00	2.97	23.00	46.00	16.40	30.00	.00	4.20
163001	5.41	40.70	2.27	24.00	33.00	9.90	15.00	.00	2.52
163401	7.73	90.00	1.54	3.00	54.00	1.04	.00	.70	3.78
163601	6.74	50.70	5.52	39.00	37.00	7.20	15.00	.17	3.11
163602	7.36	53.60	1.92	10.00	42.00	4.06	11.00	.00	3.78
163801	6.75	65.00	6.79	70.00	58.00	10.00	9.00	.00	3.78
164001	7.99	161.00	2.72	6.00	178.00	1.75	6.00	.46	13.00
164401	6.93	23.60	1.99	17.00	30.00	1.17	.00	.00	1.74
164801	7.13	58.00	3.88	21.00	50.00	5.15	11.00	.00	2.38
165301	7.42	96.00	2.51	5.00	90.00	7.10	15.00	.51	4.09
165701					90.00	7.60	20.00	.20	6.13
165702					58.00	6.80	18.00	.00	3.78
166201	7.02	31.20	2.44	17.00	33.00	2.56	9.00	.05	2.18
166301	6.59	56.20	7.20	47.00	44.00	7.60	.00	.05	3.65
166302	6.96	72.00	6.26	48.00	54.00	7.40	6.00	.00	4.05
170201	6.80	51.70	3.60	29.00	55.00	8.00	.00	1.21	3.05
170202	7.11	71.00	4.68	41.00	59.00	11.00	17.00	.02	4.37
170203	6.90	48.90	3.37	31.00	64.00	6.70	8.00	.07	2.66
170301	7.54	42.30	3.27	42.00	37.00	8.80	.00	.00	2.14
171401	6.34	31.60	4.88	41.00	15.00	5.30	6.00	.32	1.96
171402	9.35	73.00	3.28	32.00	53.00	5.11	14.00	.00	3.99
171701	6.79	78.00	4.89	28.00	64.00	11.10	29.00	.07	4.72
171801	7.09	50.00	3.12	18.00	33.00	6.80	20.00	.00	2.74
171901	7.05	66.00	3.79	23.00	45.00	6.70	.00	.94	3.23
172101	7.17	58.30	4.65	37.00	53.00	8.70	14.00	.00	2.94
172102	6.57	61.00	4.22	33.00	50.00	9.70	15.00	.15	4.27
172401	7.23	129.00	2.70	13.00	58.00	12.90	20.00	1.12	20.90
172402	6.60	45.30	2.61	24.00	38.00	9.60	17.00	.00	2.18
172901	6.67	78.00	4.71	30.00	62.00	10.10	15.00	.12	4.93
172902	6.88	174.00	7.40	49.00	102.00	21.10	60.00	2.85	13.30
175001	6.33	95.00	3.69	41.00	59.00	24.40	.00	.06	4.37
180401	7.48	106.00	1.95	6.00	64.00	11.70	20.00	.15	7.13
180402	6.96	76.00	3.25	23.00	43.00	13.80	8.00	.18	6.83
180403	6.46	28.00	1.14	7.00	18.00	5.50	15.00	.07	1.92
180501	6.57	17.50	.47	2.00	16.00	1.75	.00	.36	1.79
180502	7.61	81.00	.84	3.00	54.00	4.73	11.00	.00	4.76
181201	6.86	67.00	2.03	17.00	28.00	15.30	24.00	.00	3.64
181202	6.64	58.40			50.00	9.30	26.00	.18	2.88
181301	7.75	129.00	.80	4.00	69.00	13.40	24.00	.38	5.45
181501	5.82	86.00	.75	10.00	39.00	24.30	60.00	.26	4.17
181801	6.72	74.00	.88	3.00	57.00	19.30	45.00	.00	3.57
182001	4.86	56.90	.89	4.00	55.00	13.90	39.00	.80	2.53
182002	5.75	31.40	.53	2.00	80.00	7.20	26.00	.54	2.52

Nr.	pH	Kond.	TOC	Farge	F	Cl	Br	NO ₃	SO ₄
182401	7.13	96.00	1.44	9.00	49.00	12.00	14.00	1.21	4.65
182801	7.13	124.00	1.30	7.00	70.00	17.10	38.00	.99	7.15
183201	7.35	76.00	1.70	75.00	44.00	12.00	29.00	.37	3.39
183301	6.86	37.90	1.78	16.00	28.00	5.20	.00	.14	3.86
183302	7.12	47.70	1.89	19.00	37.00	5.90	.00	.00	4.40
183303	7.05	26.30	.67	3.00	20.00	2.69	8.00	.35	2.56
183901	7.83	134.00	1.21	2.00	72.00	11.40	24.00	.60	3.36
184001	7.74	88.00	2.26	12.00	66.00	3.38	5.00	.14	3.32
184101	7.58	121.00	2.38	18.00	69.00	9.30	20.00	.36	4.14
184102	7.37	82.00	2.10	13.00	64.00	6.37	18.00	.22	4.75
184103	7.12	46.50	.58	5.00	33.00	1.08	.00	.40	8.37
184104	6.89	41.00	2.93	29.00	30.00	5.10	11.00	.00	3.01
185001	7.84	152.00	2.12	7.00	102.00	10.00	.00	.48	11.50
185101	6.59	31.60	1.79	12.00	148.00	6.40	9.00	.00	2.48
185401	6.52	22.40	1.04	8.00	24.00	2.96	9.00	.00	2.37
185701					146.00	56.40	189.00	.00	12.50
186001	6.18	68.00	1.15	9.00	41.00	16.90	42.00	.00	3.07
186002	6.10	75.00	1.83	16.00	46.00	19.60	45.00	.00	3.89
186003	6.41	83.00	1.11	6.00	52.00	19.80	59.00	.00	5.29
186501	6.24	32.80	3.06	29.00	30.00	6.60	23.00	.27	2.80
186502	6.08	23.20	1.99	19.00	25.00	5.10	15.00	.38	1.90
186601	6.82	66.00	1.02	10.00	43.00	14.00	18.00	.09	3.61
186602	6.48	39.20	1.36	11.00	39.00	8.20	26.00	.00	2.83
186603	7.25	64.00	.93	7.00	54.00	12.70	38.00	.00	3.35
186604	6.22	55.20	1.62	19.00	29.00	14.00	29.00	.12	3.02
186801	6.35	73.00	.89	4.00	41.00	18.40	50.00	.26	3.43
186802	6.50	85.00	.96	9.00	42.00	23.50	59.00	.00	4.35
187001	6.87	52.60	1.54	15.00	40.00	8.30	14.00	.00	3.32
187002	6.73	63.00	1.11	8.00	42.00	13.20	32.00	.00	3.84
187003	6.73	72.00	.93	9.00	44.00	15.20	8.00	.00	3.84
187004	6.51	56.10	1.07	6.00	86.00	13.60	20.00	.00	4.02
187005	6.26	68.00	1.02	5.00	31.00	17.20	42.00	.28	3.57
187006	7.12	103.00	2.00	10.00	80.00	13.00	27.00	.00	10.50
187101	6.57	67.00	1.64	11.00	48.00	14.10	35.00	.00	4.66
187102	6.74	62.00	1.21	7.00	46.00	11.50	33.00	.21	4.44
187103	6.67	82.00	1.44	7.00	59.00	17.70	56.00	.22	6.16
190101	7.16	70.00	2.27	14.00	84.00	6.60	.00	.36	3.33
190201	6.44	27.80	.75	3.00	13.00	5.20	5.00	.09	2.34
190202	6.21	31.70	.43	1.00	50.00	7.10	23.00	.30	2.69
190203			.47	.00	32.00	7.20	.00	.20	4.09
191101	7.01	47.10	.55	3.00	42.00	5.50	18.00	.00	4.52
191701	7.64	103.00	1.37	9.00	53.00	11.50	8.00	.14	4.35
192201	7.31	64.00	1.65	11.00	50.00	2.58	.00	.00	3.19
192301	8.14	620.00	3.23	4.00	351.00	117.00	441.00	.67	24.50
192401	7.26	73.00	1.88	11.00	58.00	4.17	.00	.00	2.42
192402	7.84	116.00	1.95	20.00	85.00	9.20	32.00	.00	4.70
192403	6.82	43.10	8.12	67.00	42.00	2.73	5.00	.00	2.90
193101	6.51	22.10	.56	1.00	25.00	3.01	9.00	.22	2.18
193102	7.15	131.00	2.16	13.00	88.00	6.10	12.00	.05	5.77
194101	6.76	28.00	.22	2.00	15.00	3.29	11.00	.34	2.55
200101	6.52	34.00	.89	2.00	48.00	7.60	23.00	.14	2.83
200102	6.68	55.70	1.35	10.00	33.00	11.20	69.00	.00	4.61
200201	6.99	70.00	.86	5.00	47.00	12.00	44.00	.56	4.94
200301	6.66	61.00	1.80	17.00	47.00	4.78	17.00	.00	4.62
200302	7.22	66.00	5.15	51.00	66.00	4.73	14.00	.00	5.63
201101	7.50	154.00	2.09	9.00	114.00	1.08	.00	.00	16.40
201102	7.15	70.00	4.32	31.00	96.00	1.47	.00	.00	5.28
201201	6.94	47.40	4.48	36.00	40.00	2.98	.00	.83	2.59
201202	6.72	30.10	4.17	25.00	32.00	3.36	.00	.00	2.44
201601	5.93	47.50	.74	1.00	19.00	11.50	41.00	.60	3.05
201801	6.95	88.00	1.26	9.00	44.00	16.30	36.00	.29	5.43
201901	7.16	144.00	1.01	3.00	68.00	24.60	89.00	.41	8.51
201902	6.84	89.00	1.17	8.00	65.00	17.10	54.00	.08	6.09
202001	7.18	82.00	4.30	25.00	58.00	4.34	8.00	.10	6.58
202101	7.40	113.00	3.05	11.00	78.00	2.29	.00	.43	7.18
202201	6.97	72.00	.98	3.00	40.00	15.00	45.00	.00	4.34
202301	6.88	88.00	1.27	6.00	50.00	19.10	62.00	.26	5.08
202302	6.91	80.00	1.10	5.00	47.00	17.50	53.00	.15	4.87
202401	6.97	91.00	.53	1.00	60.00	15.60	60.00	.18	7.08
202801	7.26	82.00	.99	4.00	53.00	10.50	38.00	.54	4.65
202802	7.72	138.00	1.05	1.00	86.00	9.50	30.00	.00	13.40
203001	6.98	31.10	1.87	11.00	164.00	2.94	.00	.07	3.93

Nr.	pH	Kond.	TOC	Farge	Nr.	pH	Kond.	TOC	Farge
10101	5.89	56.20	5.06	35.00	50101	7.34	176.00	1.26	.00
10201	9.56	81.00	1.64	3.00	50102	6.86	28.50	.99	3.00
10301	9.03	97.00	2.58	5.00	50201	6.88	44.20	2.20	13.00
10302	7.08	67.00	4.33	21.00	50202	6.62	186.00	2.11	6.00
10501	7.52	100.00	6.31	65.00	51101	7.42	41.20	2.70	13.00
11501	9.10	122.00	2.04	6.00	51601	6.93	144.00	1.20	.00
11901	5.64	61.00	4.49	65.00	51701	6.40	26.20	1.26	2.00
12201	7.63	119.00	1.49	17.00	52001	8.23	118.00	1.61	1.00
12301	6.46	65.00	4.52	40.00	52801	6.34	32.10	3.90	25.00
12401	8.33	95.00	1.78	2.00	52802	6.94	41.00	4.32	24.00
12501	7.53	82.00	3.45	3.00	52803	7.58	335.00	3.87	25.00
12801	7.54	226.00	3.57	11.00	52804	6.69	22.70	2.32	10.00
13801	6.64	53.80	2.58	13.00	52901	6.27	34.00	3.37	25.00
21301	7.36	265.00	2.83	2.00	52902	5.80	30.80	7.56	61.00
21501	6.35	140.00	4.86	82.00	53201	7.07	52.20	3.44	13.00
21502	6.13	92.00	3.80	25.00	53301	6.43	28.90	2.80	11.00
21601	6.97	103.00	2.67	2.00	53302	6.77	34.90	2.98	6.00
21801	7.78	186.00	2.43	4.00	53401	7.11	48.40	2.80	13.00
21901	6.58	35.10	4.36	23.00	53801	6.58	50.00	.92	.00
21902	6.78	37.10	3.35	21.00	54201	6.79	28.30	1.23	3.00
22001	7.01	101.00	2.33	15.00	60201	6.99	46.80	1.12	3.00
22002	7.37	222.00	3.04	17.00	60202	5.88	37.60	1.26	2.00
22101	9.55	71.00	3.15	16.00	60203	7.30	128.00	1.93	7.00
22601	6.57	50.00	7.46	55.00	60401	6.03	33.00	4.45	27.00
22602					60402	5.92	105.00	1.38	8.00
22603	6.56	43.80	4.07	45.00	60501	7.00	31.00	2.65	11.00
22701	5.15	28.50	5.52	52.00	60502	6.94	37.50	4.05	15.00
22702	5.08	49.20	6.99	59.00	61201	7.11	53.70	2.47	7.00
22801	6.14	35.40	2.54	8.00	61202	7.00	41.00	3.31	14.00
22901	7.10	61.00	4.48	78.00	61601	6.60	102.00	1.78	3.00
22902	5.69	41.10	3.66	29.00	61701	7.23	63.00	.78	.00
23001	5.93	38.40	3.60	16.00	61901	9.35	42.20	2.94	11.00
23101	6.43	70.00	.70	.00	62001	5.90	19.80	3.38	40.00
23102	6.00	38.40	4.14	21.00	62002	6.48	38.50	2.43	14.00
23103					62301	7.41	72.00	3.71	11.00
23104	7.96	49.00	4.36	34.00	62302	7.24	57.00	3.92	31.00
23301	6.98	53.40	3.32	21.00	62401	7.47	98.00	3.63	14.00
23501	8.88	46.80	3.05	16.00	62501	7.88	72.00	2.84	38.00
23601	6.24	41.20	5.27	45.00	62601	8.55	54.50	3.17	15.00
23602	6.19	37.10	8.78	72.00	62701	5.67	41.50	2.05	3.00
23701	6.03	37.10	2.28	19.00	62702	6.58	84.00	3.77	9.00
23702	6.76	38.50	3.05	17.00	62801	5.26	39.50	4.09	28.00
23801	4.74	27.80	2.57	29.00	62802	7.73	404.00	9.28	2.00
23802	6.18	31.40	5.65	53.00	62803	5.67	43.30	3.06	6.00
23803	5.40	24.00	1.93	12.00	62804	4.74	62.00	3.75	12.00
23804	4.98	22.60	3.42	22.00	62805	5.20	40.50	1.38	.00
23805	6.84	35.70	1.87	19.00	70201	6.85	80.00	4.16	18.00
23806	6.13	43.00	2.75	14.00	70501	7.37	49.70	2.06	10.00
30101	6.21	32.60	3.75	14.00	70701	7.33	49.90	2.32	14.00
30102	6.33	40.80	3.46	14.00	70801	5.80	63.00	3.32	18.00
30103	6.06	26.20	4.47	30.00	71101	6.30	41.10	2.06	4.00
30104					71301	6.59	53.00	2.56	21.00
30105	6.95	57.10	2.73	4.00	72601	6.33	64.00	3.35	24.00
40101	6.93	43.60	1.75	8.00	72701	5.48	42.60	3.23	20.00
40201	6.43	75.00	2.32	1.00	80501	8.26	70.00	3.64	22.00
41201	7.89	310.00	4.41	.00	80601	7.00	28.10	2.17	20.00
41202	7.80	161.00	2.52	5.00	80602	7.47	67.00	2.84	14.00
41203	7.36	49.70	2.32	10.00	80603	6.72	60.00	2.70	17.00
41401	6.74	56.90	5.43	47.00	80604	9.14	82.00	1.23	7.00
41501	6.08	37.20	8.81	57.00	80605	6.80	23.10	1.39	9.00
41701	6.95	42.70	1.96	9.00	80701	5.75	18.40	2.00	13.00
41801	6.26	42.00	5.92	25.00	81401	8.83	54.00	2.56	15.00
41901	7.48	151.00	2.71	5.00	81501	6.72	41.20	2.53	23.00
42001	5.80	71.00	.84	.00	81701	5.25	24.30	2.38	18.00
42002	5.98	58.60	1.03	.00	81901	6.40	24.50	1.63	7.00
42301	8.06	96.00	5.30	37.00	81902	5.85	26.00	2.15	9.00
42501	9.02	58.30	4.84	61.00	82101	7.31	83.00	1.00	.00
42601	6.02	115.00	1.23	.00	82601	6.52	15.70	.91	1.00
42602	7.50	67.00	1.17	4.00	82801	7.27	45.80	2.42	22.00
42701	7.30	166.00	1.20	2.00	82901	5.25	19.40	4.21	28.00
42702	7.60	149.00	1.15	1.00	90101	6.98	72.00	2.28	14.00
42801	6.66	40.90	3.77	29.00	90102	5.55	39.50	3.08	33.00
42901	6.78	165.00	1.86	3.00	90301	7.29	42.50	2.07	11.00
43001	6.75	48.90	1.80	.00	90401	6.72	43.60	2.12	13.00
43601	7.22	123.00	3.01	8.00	91401	5.19	52.20	2.72	21.00
43701	7.52	117.00	.91	1.00	91901	6.94	46.60	1.39	1.00
					92601	7.30	50.60	2.00	13.00
					92801	7.69	87.00	1.40	.00
					93701	7.11	57.10	.48	.00

Nr.	pH	Kond.	TOC	Farge	Nr.	pH	Kond.	TOC	Farge
100101	7.48	74.00	1.70	16.00	150101	7.64	52.80	1.25	5.00
100102	7.20	70.00	2.30	10.00	150201	5.79	50.50	2.69	20.00
100201	6.85	64.00	1.19	.00	150202	6.43	41.20	1.36	30.00
100301	4.84	59.40	1.94	3.00	150203	6.13	52.10	3.61	43.00
100302	4.73	82.00	2.44	12.00	150301	7.24	50.40	1.78	17.00
100401	6.68	54.90	1.26	13.00	151401	6.20	70.00	1.15	13.00
100402	4.76	53.60	.84	.00	151601	6.10	35.00	1.29	16.00
100403	6.61	55.60	1.32	7.00	151602	6.55	37.90	.67	37.00
101401	7.40	266.00	.58	.00	151701	6.91	45.40	2.62	22.00
101402	4.75	38.40	3.06	15.00	151901	5.46	35.90	1.09	8.00
102101	4.81	51.20	1.95	15.00	152001	6.52	18.50	.77	.00
102901	5.17	64.00	.68	4.00	152501	7.14	34.50	1.17	6.00
103201					152801	8.85	33.20	1.71	6.00
103202					153201	5.67	78.00	1.98	18.00
103701	7.97	87.00	.71	.00	153401	6.23	40.00	1.04	8.00
110101	5.30	66.00	.63	1.00	153402	5.38	39.00	1.57	11.00
110201	5.80	64.00	1.58	8.00	153501	6.30	20.60	1.02	.00
110301	6.50	46.10	1.00	1.00	153901	6.48	12.70	1.06	1.00
110601	6.70	64.00	2.23	15.00	153902	6.29	10.10	1.10	3.00
111101	6.33	52.40	.93	6.00	154601	6.43	124.00	5.91	64.00
113001	6.00	34.90	1.30	15.00	154701				
113002	6.45	59.00	1.50	10.00	154801	6.75	57.60	3.31	8.00
113501	4.50	30.90	.54	2.00	155101	6.42	30.20	1.47	4.00
114101	6.25	218.00	1.99	3.00	155401	7.04	63.00	1.21	15.00
114901	6.10	103.00	2.35	14.00	155402	6.32	75.00	5.40	45.00
114902	6.37	94.00	2.23	9.00	155403	6.63	28.70	3.27	22.00
114903	5.25	107.00	1.77	19.00	156001	5.71	34.70	2.60	27.00
114904	5.99	92.00	1.66	12.00	156301	6.64	26.50	1.42	6.00
120101	4.81	44.50	1.42	6.00	156302	6.98	72.00	1.51	2.00
120102	4.59	44.50	1.37	8.00	156601	6.73	26.40	1.46	9.00
120103	4.67	47.50	1.69	10.00	156701	6.93	48.50	2.40	18.00
120104	6.78	52.60	2.77	22.00	156901	6.40	29.40	.88	5.00
120105	6.24	61.00	2.28	15.00	160101	7.24	58.90	2.44	10.00
120106	6.10	42.40	1.07	9.00	160102	6.98	70.00	2.89	35.00
120107	5.45	54.00	1.88	12.00	160103	7.20	181.00	2.99	10.00
120108	5.33	51.10	2.53	12.00	161201	6.54	42.70	2.77	24.00
120109	4.68	41.60	1.50	11.00	162401	6.32	42.60	3.75	30.00
120110	5.76	41.30	2.28	13.00	162402	6.16	49.10	2.55	26.00
120111	5.33	32.30	1.22	6.00	162403	6.88	49.60	3.33	40.00
120112	5.08	42.50	1.43	5.00	162404	6.06	31.80	3.62	42.00
120113	4.84	48.40	1.57	7.00	162701	5.90	65.00	3.16	24.00
120114	6.80	55.00	1.83	9.00	163001	5.40	41.40	2.63	22.00
121901	5.80	91.00	1.57	6.00	163401	7.10	20.10	2.18	11.00
122101	6.68	36.50	1.26	9.00	163601	6.85	41.60	4.75	36.00
122401	4.98	33.60	.82	7.00	163602	6.86	15.50	1.67	9.00
122801	5.99	19.30	1.20	3.00	163801	6.68	55.80	5.77	64.00
122802	6.44	31.80	1.37	4.00	164001	8.08	148.00	3.69	2.00
122803	8.83	21.30	.60	3.00	164401	6.78	18.60	1.95	18.00
123501	6.48	66.00	.34	.00	164801	7.00	61.00	3.04	21.00
123801	6.50	26.80	.61	1.00	165301	7.46	96.00	2.79	2.00
124301	5.77	42.20	1.57	11.00	165701				
124701	5.05	58.80	2.34	23.00	165702				
125101	5.58	13.10	1.24	9.00	166201	7.17	32.40	2.74	24.00
125102	5.83	17.40	1.12	9.00	166301	6.44	57.10	4.94	44.00
125103	5.18	14.30	1.46	14.00	166302	7.02	72.00	4.38	43.00
126301	6.80	51.00	1.89	4.00	170201	6.83	52.00	3.36	26.00
140101	6.50	40.70	.75	16.00	170202	6.85	59.70	5.79	52.00
141601	5.36	17.30	.46	1.00	170203	7.12	54.10	2.65	28.00
141602	5.02	32.40	1.11	7.00	170301	7.94	47.20	3.14	36.00
142001	6.55	28.30	1.60	16.00	171401	6.24	32.10	5.45	51.00
142201	6.80	52.90	2.43	14.00	171402	7.90	65.00	2.65	25.00
142401	6.14	9.50	.53	1.00	171701	6.76	73.00	3.91	29.00
142402	7.46	73.00	.42	.00	171801	7.00	48.10	2.82	18.00
142801	6.21	39.90	.94	4.00	171901	7.12	67.00	2.97	22.00
142901	5.38	33.70	.66	3.00	172101	7.17	61.00	4.11	33.00
143201	5.32	18.60	1.65	30.00	172102	6.63	63.00	3.25	31.00
143801	6.37	42.90	1.65	12.00	172401	7.44	133.00	2.12	8.00
143901	5.34	79.00	1.00	9.00	172402	6.81	50.80	1.74	23.00
143902	6.37	69.00	1.15	14.00	172901	6.63	77.00	4.14	30.00
143903	5.43	56.90	1.27	13.00	172902	6.93	179.00	6.51	44.00
143904	5.93	39.80	1.45	19.00	175001	5.93	100.00	3.62	35.00
144301	6.21	12.90	1.85	10.00					
144302	5.91	14.80	1.11	.00					
144501	6.26	25.50	4.70	49.00					

Nr.	pH	Kond.	TOC	Farge
180401	7.40	105.00	1.81	11.00
180402	6.75	86.00	2.63	25.00
180403	6.26	28.80	.99	7.00
180501	6.63	15.50	.68	1.00
180502	7.65	80.00	.73	3.00
181201	6.58	68.00	2.53	19.00
181202	6.76	57.60		
181301	7.54	102.00	.84	7.00
181501	6.11	88.00	.96	10.00
181801	6.73	75.00	.45	2.00
182001	6.29	68.00	1.14	5.00
182002	6.53	38.20	.83	6.00
182401	6.58	41.90	1.97	14.00
182801	7.15	132.00	.79	5.00
183201	8.59	74.00	2.94	94.00
183301	6.72	41.60	1.48	9.00
183302	6.98	52.10	1.91	12.00
183303	6.88	37.10	1.25	3.00
183901	6.78	18.50	1.55	.00
184001	7.51	74.00	1.94	14.00
184101	7.55	122.00	2.38	17.00
184102	7.34	83.00	1.51	13.00
184103	7.27	55.20	1.14	2.00
184104	6.82	51.00	2.33	26.00
185001	7.59	100.00	2.14	9.00
185101	6.55	31.70	2.38	11.00
185401	6.51	24.60	2.06	7.00
185701	6.78	223.00	3.15	12.00
186001	6.27	45.10	1.67	11.00
186002	6.26	50.80	2.34	22.00
186003	6.77	86.00	1.05	4.00
186501	6.30	36.30	2.85	25.00
186502	5.95	25.50	1.88	14.00
186601	6.71	71.00	1.35	13.00
186602	6.22	44.50	1.61	7.00
186603	6.95	65.00	.73	4.00
186604	6.41	59.40	.86	10.00
186801	7.16	78.00	.98	4.00
186802	6.57	71.00	.86	4.00
187001	6.93	53.90	1.82	11.00
187002	6.60	70.00	1.02	7.00
187003	6.83	70.00	1.19	12.00
187004	6.82	50.50	.89	7.00
187005	6.38	24.70	1.42	6.00
187006	7.17	106.00	1.49	10.00
187101	6.68	60.00	2.30	10.00
187102	6.79	57.60	2.25	6.00
187103	6.73	86.00	1.69	5.00
190101	7.18	77.00	2.57	13.00
190201	6.58	47.10	1.38	4.00
190202	5.79	58.60	1.17	.00
190203	6.65	48.00	1.32	1.00
191101	6.74	33.20	1.71	.00
191701	7.45	89.00	1.61	9.00
192201	7.45	64.00	1.64	8.00
192301	8.14	600.00	3.71	9.00
192401	7.31	71.00	1.87	11.00
192402	7.76	108.00	2.38	31.00
192403	6.65	51.30	7.39	62.00
193101	6.81	25.50	.58	.00
193102	6.99	145.00	2.25	18.00
194101	6.92	59.60	.71	2.00
200101	6.25	40.40	.70	.00
200102	6.57	60.00	1.28	3.00
200201	6.34	115.00	2.04	16.00
200301	6.65	62.00	1.45	16.00
200302	7.68	89.00	1.09	2.00
201101	7.39	116.00	4.64	22.00
201102	6.65	72.00	2.77	30.00
201201	6.85	50.90	4.03	37.00
201202	6.98	29.90	3.29	24.00
201601	6.04	65.00	.72	.00
201801	7.08	95.00	1.10	7.00
201901	7.23	52.40	1.63	4.00
201902	7.10	80.00	1.63	3.00
202001	7.08	75.00	4.20	27.00
202101	7.17	62.00	6.01	60.00
202201	7.09	71.00	1.56	4.00
202301	6.76	79.00	1.00	7.00
202302	6.76	81.00	.85	3.00
202401	6.53	37.30	.84	.00
202801	7.07	46.50	1.53	2.00
202802	7.80	108.00	2.25	1.00
203001	6.72	21.30	2.40	11.00

Nr.	pH	Kond.	TOC	Farge	Nr.	pH	Kond.	TOC	Farge
10101			7.11	22.00	50101	7.85	178.00	2.80	2.00
10201	7.92	67.00	1.89	1.00	50102	7.02	24.20	1.63	7.00
10301	8.63	72.00	2.20	1.00	50201	6.92	42.50	2.85	9.00
10302	6.74	62.00	3.62	13.00	50202	6.88	172.00	4.60	3.00
10501	7.60	94.00	4.97	22.00	51101	8.15	51.40	2.32	7.00
11501	7.42	115.00	3.67	4.00	51601	7.43	174.00	2.50	1.00
11901	5.99	59.30	5.78	50.00	51701	7.32	30.50	1.48	1.00
12201	8.03	527.00	4.31	1.00	52001	7.40	110.00	2.11	3.00
12301	6.46	56.30	4.61	22.00	52801	6.46	32.40	3.87	19.00
12401	6.98	66.00	1.55	1.00	52802	7.08	41.60	4.84	29.00
12501	8.32	64.00	1.75	2.00	52803	7.77	268.00	8.05	20.00
12801	7.83	228.00	6.40	7.00	52804	6.58	22.60	2.42	7.00
13801	7.13	67.00	4.87	10.00	52901	6.30	33.00	5.72	23.00
21301	7.57	261.00	5.28	1.00	52902	6.35	31.60	5.54	19.00
21501	5.56	143.00	3.22	22.00	53201	7.09	50.70	3.77	13.00
21502	6.70	77.00	3.78	9.00	53301	6.64	25.60	2.42	12.00
21601	7.51	94.00	3.10	4.00	53302	7.44	35.40	2.54	7.00
21801	8.23	193.00	4.91	3.00	53401	9.49	76.00	4.26	14.00
21901	7.65	43.10	3.94	14.00	53801	6.80	50.50	1.98	3.00
21902	7.25	44.60	4.13	14.00	54201	6.81	27.20	2.16	10.00
22001	6.89	46.30	4.86	17.00	60201	6.63	36.70	2.05	4.00
22002	7.57	178.00	5.95	23.00	60202	5.73	32.70	1.82	1.00
22101	7.42	52.80	4.09	18.00	60203	7.45	99.00	4.44	12.00
22601	7.35	66.00	5.86	28.00	60401	5.60	25.30	3.87	22.00
22602					60402	5.89	103.00	1.65	1.00
22603	6.33	38.00	7.65	53.00	60501	6.80	32.50	2.04	28.00
22701	5.05	29.90	7.21	43.00	60502	6.83	37.60	3.20	16.00
22702			9.10	35.00	61201	7.32	55.00	3.91	10.00
22801	6.27	31.70	4.33	6.00	61202	7.19	44.30	3.13	10.00
22901	6.98	47.10	3.58	66.00	61601	8.89	93.00	2.68	2.00
22902	6.00	36.70	3.16	22.00	61701	8.61	77.00	2.14	2.00
23001	6.22	34.80	3.28	11.00	61901	6.79	24.00	2.75	19.00
23101	6.61	60.00	1.20	1.00	62001	6.27	10.30	1.29	3.00
23102	7.01	52.50	4.41	19.00	62002	6.90	24.90	2.40	8.00
23103					62301	7.80	87.00	3.37	7.00
23104	7.13	36.30	3.94	22.00	62302	7.43	110.00	2.12	19.00
23301	6.83	52.30	3.93	15.00	62401	7.35	66.00	5.24	21.00
23501	7.34	34.00	3.94	26.00	62501	7.63	77.00	3.56	11.00
23601	6.45	37.10	6.69	38.00	62601	8.68	58.30	3.21	14.00
23602	6.28	32.50	9.77	70.00	62701	5.96	39.00	2.83	13.00
23701	6.15	32.50	3.59	18.00	62702	6.81	96.00	4.58	9.00
23702	6.03	36.00	6.25	15.00	62801	5.19	35.60	3.67	12.00
23801	6.36	23.10	1.87	12.00	62802	7.99	399.00	6.39	4.00
23802	6.32	26.80	3.78	28.00	62803	7.56	63.00	3.60	11.00
23803	5.24	21.90	1.99	6.00	62804	4.92	66.00	2.91	12.00
23804	5.60	23.60	3.41	11.00	62805	5.35	40.00	1.32	1.00
23805	8.59	48.40	3.01	15.00	70201	7.04	68.00	3.69	15.00
23806	6.34	40.50	3.29	20.00	70501	7.31	49.90	3.78	11.00
30101	6.30	33.30	5.49	11.00	70701	7.34	49.30	3.51	12.00
30102	5.97	38.10	4.02	11.00	70801	5.96	61.00	3.47	11.00
30103	6.35	29.80	4.20	23.00	71101	6.40	39.10	2.20	3.00
30104					71301	6.61	36.10	3.69	17.00
30105	7.10	52.80	2.37	6.00	72601	5.75	62.00	3.27	18.00
40101	6.97	43.00	2.70	10.00	72701	6.16	37.00	2.89	25.00
40201	7.43	90.00	2.64	2.00	80501	7.35	61.00	4.21	27.00
41201	7.97	319.00	4.33	1.00	80601	6.67	22.90	2.80	11.00
41202	8.07	119.00	3.74	4.00	80602	7.22	61.00	4.57	16.00
41203	7.39	49.70	3.29	8.00	80603	6.90	47.10	3.17	13.00
41401	7.03	72.00	4.72	34.00	80604	9.55	92.00	2.89	6.00
41501	6.46	31.80	7.98	43.00	80605	6.57	21.20	2.23	10.00
41701	7.13	37.70	3.10	15.00	80701	6.04	16.80	1.77	4.00
41801	6.48	41.10	4.74	20.00	81401	7.48	52.70	3.00	10.00
41901	7.41	153.00	3.65	10.00	81501	7.25	45.30	3.71	20.00
42001	6.18	65.00	1.67	1.00	81701	5.19	23.00	3.31	26.00
42002	6.31	58.40	1.50	1.00	81901	6.41	21.00	2.63	11.00
42301	4.63	80.00	4.65	9.00	81902	6.21	25.30	2.36	8.00
42501	9.52	68.00	3.12	14.00	82101	7.60	86.00	1.68	1.00
42601	6.13	114.00	2.40	3.00	82601	6.50	14.40	1.64	4.00
42602	7.66	73.00	1.90	2.00	82801	7.16	49.00	2.31	13.00
42701	7.14	151.00	2.69	4.00	82901	5.78	17.00	2.71	15.00
42702	7.17	149.00	2.21	1.00	90101	6.59	53.90	3.65	9.00
42801	6.86	29.40	3.97	30.00	90102	5.90	37.40	4.52	26.00
42901	6.67	160.00	2.48	1.00	90301	7.50	45.60	2.65	10.00
43001	6.78	49.20	1.72	1.00	90401	6.06	40.20	2.09	11.00
43601	7.32	90.00	4.33	13.00	91401	7.74	74.00	3.95	22.00
43701	7.83	113.00	3.38	7.00	91901	7.36	34.90	1.35	1.00
					92601	7.27	47.40	2.28	6.00
					92801	8.05	87.00	1.61	1.00
					93701	8.58	56.50	1.64	2.00

Nr.	pH	Kond.	TOC	Farge	Nr.	pH	Kond.	TOC	Farge
100101	7.36	66.00	2.12	10.00	150101			1.95	.00
100102	7.16	72.00	2.35	8.00	150201	5.43	29.60	3.98	75.00
100201	6.98	66.00	1.64	.00	150202	6.64	24.70	2.18	18.00
100301	6.36	59.30	2.56	3.00	150203	6.26	34.90	4.55	87.00
100302	4.69	79.00	2.02	5.00	150301	7.10	50.40	2.93	15.00
100401	6.96	52.80	1.73	5.00	151401	6.48	50.00	1.14	.00
100402	4.79	44.10	1.11	.00	151601	6.72	31.70	3.06	28.00
100403	6.98	52.20	1.44	6.00	151602	6.31	34.70	2.18	3.00
101401	7.22	266.00	1.01	.00	151701	8.10	46.40	2.74	27.00
101402	5.06	36.70	3.25	17.00	151901	6.56	23.20	1.56	7.00
102101	4.84	48.50	2.45	10.00	152001	6.53	18.50	1.26	1.00
102901	7.40	66.00	1.35	.00	152501	7.35	18.10	1.28	3.00
103201	5.86	56.10	2.40	3.00	152801	9.21	37.30	1.74	6.00
103202	6.42	45.50	2.34	15.00	153201	5.94	74.00	2.99	14.00
103701	7.73	67.00	1.82	2.00	153401	6.37	31.60	1.55	6.00
110101	6.00	61.00	1.10	.00	153402	5.67	36.40	1.82	9.00
110201	6.30	61.00	2.22	6.00	153501	6.41	15.60	.98	2.00
110301	6.45	42.40	1.20	.00	153901	6.40	16.30	1.72	.00
110601	8.72	70.00	2.44	16.00	153902	6.13	14.80	1.21	.00
111101	7.38	56.50	1.56	8.00	154601	6.60	122.00	7.22	113.00
113001	4.91	35.40	2.07	9.00	154701				
113002	6.21	58.60	2.65	11.00	154801	6.81	37.90	1.62	4.00
113501	5.49	13.60	.84	7.00	155101	6.74	25.60	1.63	7.00
114101	7.05	81.00	1.84	3.00	155401	6.68	42.30	5.22	34.00
114901	7.44	105.00	3.57	15.00	155402	6.23	74.00	5.29	45.00
114902	6.61	89.00	3.04	11.00	155403	6.81	32.70	3.23	28.00
114903	5.63	99.00	3.72	24.00	156001	5.92	18.90	4.98	59.00
114904	6.18	83.00	2.94	17.00	156301	6.55	28.00	1.42	4.00
120101	5.00	30.30	3.22	16.00	156302	7.04	61.00	1.11	.00
120102	4.92	29.10	1.95	12.00	156601	7.02	14.20	3.64	10.00
120103	4.72	35.10	3.75	28.00	156701	6.94	46.80	3.18	16.00
120104	5.54	30.80	4.18	42.00	156901	6.37	27.50	1.50	6.00
120105	6.76	58.60	2.05	2.00	160101	7.18	57.70	3.05	10.00
120106	5.78	27.10	2.27	17.00	160102	7.32	64.00	3.94	21.00
120107	6.03	51.70	2.24	8.00	160103	7.86	142.00	4.07	10.00
120108	6.06	51.40	3.04	7.00	161201	6.60	40.10	3.03	21.00
120109	4.93	26.40	2.07	13.00	162401	6.29	42.60	3.83	30.00
120110	5.85	37.40	3.41	19.00	162402	6.40	27.00	5.15	55.00
120111	5.98	14.10	2.36	14.00	162403	7.51	48.30	3.71	41.00
120112	6.10	33.20	1.84	.00	162404	6.63	41.20	6.46	87.00
120113	5.18	40.60	1.61	5.00	162701	6.34	64.00	4.13	19.00
120114	6.90	58.30	1.90	1.00	163001	5.47	40.10	2.27	17.00
121901	5.83	84.00	1.60	7.00	163401	7.80	48.70	2.30	6.00
122101	5.71	28.40	1.38	7.00	163601	6.62	42.50	5.30	37.00
122401	5.85	14.90	1.75	10.00	163602	7.13	26.50	2.30	12.00
122801	5.27	14.20	1.04	2.00	163801	6.96	55.70	7.37	71.00
122802	6.30	14.90	1.01	.00	164001	8.12	148.00	4.06	2.00
122803	6.12	15.50	1.02	2.00	164401	6.87	19.80	2.30	13.00
123501	6.95	48.10	1.35	1.00	164801	7.08	52.60	5.18	26.00
123801	5.32	12.70	1.15	.00	165301	7.55	94.00	2.51	5.00
124301	7.12	40.60	2.55	13.00	165701				
124701	5.42	56.90	2.10	15.00	165702				
125101	5.98	12.30	1.43	6.00	166201	6.99	33.20	2.75	16.00
125102	6.16	12.60	3.41	13.00	166301	6.61	43.80	5.81	39.00
125103	5.70	14.30	1.54	9.00	166302	7.00	58.00	5.16	36.00
126301	6.57	49.40	1.63	5.00	170201	6.84	48.00	3.80	24.00
140101	6.73	26.10	1.78	15.00	170202	7.18	63.00	6.09	38.00
141601	6.60	16.90	1.04	20.00	170203	7.66	56.70	3.73	24.00
141602	5.85	8.00	2.51	17.00	170301	8.59	40.40	3.50	39.00
142001	6.34	10.20	1.84	5.00	171401	6.42	31.00	5.30	36.00
142201	6.62	10.10	1.15	4.00	171402	9.66	81.00	4.59	27.00
142401	6.05	8.20	1.11	2.00	171701	6.77	70.00	5.44	23.00
142402	7.51	63.00	1.13	.00	171801	6.94	48.80	2.88	17.00
142801	6.34	31.50	1.68	4.00	171901	6.97	65.00	4.14	20.00
142901	5.58	20.20	2.51	11.00	172101	7.43	63.00	4.08	29.00
143201	5.45	17.00	2.58	31.00	172102	6.71	60.00	4.68	29.00
143801	6.50	39.30	3.06	18.00	172401	7.53	76.00	2.68	5.00
143901	5.96	48.60	5.08	46.00	172402	6.96	35.20	3.28	26.00
143902	6.82	44.30	4.70	57.00	172901	6.67	65.00	4.34	29.00
143903	5.48	51.30	1.73	9.00	172902	6.94	178.00	7.12	66.00
143904	6.48	28.30	5.20	58.00	175001	6.51	63.00	4.45	103.00
144301	6.08	14.10	2.13	45.00					
144302	6.03	17.40	1.14	10.00					
144501	6.52	11.60	1.55	7.00					

Nr.	pH	Kond.	TOC	Farge
180401	7.34	103.00	1.82	7.00
180402	6.82	81.00	2.51	20.00
180403	6.35	31.30	1.25	9.00
180501	6.98	20.70	1.25	.00
180502	7.70	58.10	1.65	.00
181201	5.96	41.90	4.45	35.00
181202	7.00	49.40	5.36	59.00
181301	7.30	47.90	2.14	11.00
181501	6.64	43.80	1.73	8.00
181801	6.93	50.80	2.01	1.00
182001	6.57	38.20	1.40	4.00
182002			1.32	5.00
182401	7.00	61.00	3.03	25.00
182801	7.18	113.00	2.64	13.00
183201	8.65	54.00	3.60	28.00
183301	6.65	32.20	2.33	14.00
183302	7.33	49.30	3.61	27.00
183303	7.08	16.70	1.57	7.00
183901	6.93	15.00	1.15	1.00
184001	7.48	47.00	3.44	10.00
184101	7.67	131.00	5.96	43.00
184102	7.20	51.50	2.39	13.00
184103	7.56	62.00	1.51	.00
184104	7.18	41.70	2.71	18.00
185001	7.86	119.00	2.40	10.00
185101	6.89	31.10	2.63	20.00
185401	6.72	23.60	1.57	6.00
185701	6.74	170.00	4.58	38.00
186001	6.48	36.50	2.18	18.00
186002	6.53	44.10	3.83	37.00
186003	6.66	78.00	1.58	8.00
186501	6.37	42.20	3.22	22.00
186502	5.92	29.50	2.10	12.00
186601	6.85	36.20	2.12	22.00
186602	6.56	42.50	1.54	9.00
186603	7.72	61.00	2.51	16.00
186604	6.63	29.90	2.07	18.00
186801	6.59	48.50	1.84	5.00
186802	6.50	43.20	1.65	6.00
187001	7.06	54.80	2.06	11.00
187002				
187003	6.90	40.90	3.81	37.00
187004	6.74	24.90	2.37	17.00
187005	6.66	23.30	1.87	13.00
187006	7.24	97.00	1.42	10.00
187101	6.74	56.10	2.00	16.00
187102	7.07	56.00	1.66	11.00
187103	6.98	84.00	1.52	6.00
190101	7.36	74.00	3.59	13.00
190201	6.69	37.00	1.22	3.00
190202	6.33	26.60	.80	2.00
190203	6.67	38.30	1.46	4.00
191101	7.19	41.30	1.32	2.00
191701	7.79	118.00	1.26	6.00
192201	7.40	58.80	2.47	10.00
192301	8.06	469.00	5.02	6.00
192401	7.43	73.00	3.03	13.00
192402	7.80	89.00	4.23	28.00
192403	7.11	40.60	7.02	81.00
193101	6.79	21.30	.83	1.00
193102	7.41	64.00	2.20	16.00
194101	6.80	26.60	.73	1.00
200101	6.30	38.80	1.30	3.00
200102	6.89	58.70	1.56	6.00
200201	7.12	66.00	1.57	5.00
200301	7.26	52.40	2.43	12.00
200302	7.40	55.40	4.90	39.00
201101	7.47	135.00	3.42	8.00
201102	7.43	52.00	4.72	37.00
201201	7.05	41.90	5.04	30.00
201202	6.90	26.80	3.83	19.00
201601	5.28	24.80	.83	1.00
201801	7.21	90.00	1.79	4.00
201901	7.47	92.00	1.91	5.00
201902	7.23	81.00	1.85	6.00
202001	7.53	70.00	6.62	22.00
202101	7.73	91.00	3.63	10.00
202201	7.24	72.00	1.26	2.00
202301	7.15	67.00	1.48	5.00
202302	6.82	77.00	2.66	16.00
202401	6.86	48.30	1.22	1.00
202801	7.38	64.00	1.43	7.00
202802	8.03	121.00	1.55	1.00
203001	7.20	25.90	1.86	8.00

Vedlegg 12, side 1. Filbeskrivelser.

De 11 datafilene som er dokumentert i vedlegg 1-11, er permanent lagret på magnetbånd ved NGUs sentrale dataanlegg. Filnavn på magnetbåndene er gitt nedenfor. Ved henvendelse til NGU oppgis det fullstendige filnavnet, som er <filnavn>.DATA.NGU (f.eks. F0000563.DATA.NGU).

I alle filene er hvert vannverk identifisert med et 6-sifret nummer, der de 4 første sifrene er kommunenummeret, og de 2 siste sifrene er vannverkets nummer innen de respektive kommunene. Dette 2-sifrede nummeret er valgt vilkårlig av forfatteren.

Noen av de 384 prøvene mangler i de ulike analyseseriene. På datafilene finnes allikevel alle prøvenumrene (384 records), men resten av linjene er blanke for manglende prøver. For noen få av de ikke surgjorte prøvene mangler resultater for pH og ledningsevne, p.g.a. forurensning med salpetersyre fra den andre prøveflasken eller ombytting av de to prøveflaskene. På datafilen for ikke surgjorte vinterprøver mangler 6 prøver; for disse er prøver fra andre serier analysert for anioner (HPIC).

Bemerk at mange analyseverdier på ICAP-filene ligger under deteksjonsgrensene (deteksjonsgrensene er gitt i tabell 1). I de tilfellene der ICAP-instrumentet har registrert et negativt signal (<0 µg/l), er dette kodet på datafilene som ".0".

Filnavn: F0000563

Innhold: Liste over prøvetatte vannverk.

Format: (I6,A25,A32,F4.0,F7.0)

Variable:

1. Kommunenummer/vannverknummer (se over)
2. Navn på vannverket
3. Navn på vannkilden
4. Årstallet vannverket ble satt i drift
5. Antall fastboende personer forsynt fra vannverket pr. 01.01.82

Recordlengde: 74 Antall records: 384

Filnavn: F0000564

Innhold:

Koordinater, gjennomsnittsverdier for 21 elementer (ICAP-analyse).

Format: (I6,2F8.2,21F8.1)

Variable:

1. Kommunenummer/vannverknummer (se over)
- 2-3. Koordinater for beliggenhet av vannverkets vannintak (2: øst-vest, 3: syd-nord), etter UTM-systemet (verdiene gitt i km), ut fra UTM-sone 33 (selv om ikke alle vannverkene ligger i denne sonen).
- 4-24. Analyseverdier ICAP, elementrekkefølge: Si, Al, Fe, Ti, Mg, Ca, Na, Mn, Cu, Zn, Pb, Ni, Co, V, Mo, Cd, Ba, Be, Sr, Li, K.
Alle verdier er gitt i µg/l (ppb).

Recordlengde: 190 Antall records: 384

Vedlegg 12, side 2. Filbeskrivelser.

Filnavn: F0000565

Innhold: Analyseverdier (ICAP) for prøver tatt høsten 1982.

Format: (I6,21F8.1)

Variable:

1. Kommunenummer/vannverksnummer (se over)
- 2-22. Analyseverdier ICAP, elementrekkefølge: Si, Al, Fe, Ti, Mg, Ca, Na, Mn, Cu, Zn, Pb, Ni, Co, V, Mo, Cd, Ba, Be, Sr, Li, K.
Alle verdier er gitt i µg/l (ppb).

Recordlengde: 174

Antall records: 384

Filnavn: F0000566

Innhold: Analyseverdier (ICAP) for prøver tatt vinteren 1983.

Format: (I6,21F8.1)

Variable:

1. Kommunenummer/vannverksnummer (se over)
- 2-22. Analyseverdier ICAP, elementrekkefølge: Si, Al, Fe, Ti, Mg, Ca, Na, Mn, Cu, Zn, Pb, Ni, Co, V, Mo, Cd, Ba, Be, Sr, Li, K.
Alle verdier er gitt i µg/l (ppb).

Recordlengde: 174

Antall records: 384

Filnavn: F0000567

Innhold: Analyseverdier (ICAP) for prøver tatt våren 1983.

Format: (I6,21F8.1)

Variable:

1. Kommunenummer/vannverksnummer (se over)
- 2-22. Analyseverdier ICAP, elementrekkefølge: Si, Al, Fe, Ti, Mg, Ca, Na, Mn, Cu, Zn, Pb, Ni, Co, V, Mo, Cd, Ba, Be, Sr, Li, K.
Alle verdier er gitt i µg/l (ppb).

Recordlengde: 174

Antall records: 384

Filnavn: F0000568

Innhold: Analyseverdier (ICAP) for prøver tatt sommeren 1983.

Format: (I6,21F8.1)

Variable:

1. Kommunenummer/vannverksnummer (se over)
- 2-22. Analyseverdier ICAP, elementrekkefølge: Si, Al, Fe, Ti, Mg, Ca, Na, Mn, Cu, Zn, Pb, Ni, Co, V, Mo, Cd, Ba, Be, Sr, Li, K.
Alle verdier er gitt i µg/l (ppb).

Recordlengde: 174 Antall records: 384

Filnavn: F0000569

Innhold:

Koordinater, gjennomsnittsverdier for pH, konduktivitet, TOC og farge.

Format: (I6,2F8.2,4F7.2)

Variable:

1. Kommunenummer/vannverksnummer (se over)
- 2-3. Koordinater for beliggenhet av vannverkets vannintak (2: øst-vest, 3: syd-nord), etter UTM-systemet (verdiene gitt i km), ut fra UTM-sone 33 (selv om ikke alle vannverkene ligger i denne sonen).
- 4-7. Analyseverdier pH, elektrisk ledningsevne (konduktivitet, µS/cm ved 25°C), TOC (totalt organisk karbon, mg C/l) og fargetall (mg Pt/l).

Recordlengde: 50 Antall records: 384

Filnavn: F0000570

Innhold: pH, ledningsevne, TOC og farge, høsten 1982.

Format: (I6,4F7.2)

Variable:

1. Kommunenummer/vannverksnummer (se over)
- 2-5. Analyseverdier pH, ledningsevne (µS/cm, 25°C), TOC (mg C/l) og fargetall (mg Pt/l).

Recordlengde: 34 Antall records: 384

Filnavn: F0000571

Innhold: pH, ledningsevne, TOC, farge og anioner, vinteren 1983.

Format: (I6,9F7.2)

Variable:

1. Kommunenummer/vannverknummer (se over)
- 2-10. Analyseverdier pH, ledningsevne ($\mu\text{S}/\text{cm}$, 25°C), TOC (mg C/l), fargetall (mg Pt/l), fluorid (μg F/l), klorid (mg Cl/l), bromid (μg Br/l), nitrat (mg NO_3/l) og sulfat (mg SO_4/l).

Recordlengde: 69 Antall records: 384

Filnavn: F0000572

Innhold: pH, ledningsevne, TOC og farge, våren 1983.

Format: (I6,4F7.2)

Variable:

1. Kommunenummer/vannverknummer (se over)
- 2-5. Analyseverdier pH, ledningsevne ($\mu\text{S}/\text{cm}$, 25°C), TOC (mg C/l) og fargetall (mg Pt/l).

Recordlengde: 34 Antall records: 384

Filnavn: F0000573

Innhold: pH, ledningsevne, TOC og farge, sommeren 1983.

Format: (I6,4F7.2)

Variable:

1. Kommunenummer/vannverknummer (se over)
- 2-5. Analyseverdier pH, ledningsevne ($\mu\text{S}/\text{cm}$, 25°C), TOC (mg C/l) og fargetall (mg Pt/l).

Recordlengde: 34 Antall records: 384