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# LIST OF STATIONS PROPOSED FOR IGS REPRO3, SORTED BY PRIORITY LEVELS
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# - pr      : priority level [1-11]
# - code    : 4-char station ID
# - net     : network ID
#
# Priority levels (number of stations in each level):
# - 1 (66) : A revised/simplified version of the IGS14 core network. The
aim of
#           this minimalist selection of well-distributed RF stations
is
#           twofold: a) allow the alignment of the AC repro3 solutions
to
#           IGS14, and b) ensure an overlap between the different AC
solutions
#           necessary for their combination. Note that some priority 1
#           stations are meant to be used one after the other (e.g.,
CHAT then
#           CHTI).
# - 2 (103): GNSS stations for which a local tie to a DORIS, SLR or VLBI
#           station is available. Those are of course fundamental to
the
#           construction of ITRF2020. In case several GNSS stations are
tied
#           to the same DORIS, SLR or VLBI station, only one of them
was given
#           priority 2, while the others were given priority 3.
# - 3 (51) : a) Remaining GNSS stations for which a local tie to a
DORIS, SLR
#           or VLBI station is available. Those are important since
they bring
#           redundancy at some co-location sites.
#           b) GNSS stations co-located, but not tied to a DORIS, SLR
or VLBI
#           station. Those are important since they bring at least
inter-
#           technique velocity constraints at co-location sites where
no local
#           tie is available.
# - 4 (122): Remaining IGS14 stations. Useful to allow better alignments
of the
#           AC repro3 solutions to IGS14 than with the priority 1
stations
#           only. Also natural good candidates for the next IGS RF.
# - 5 (86) : Other IGS stations that would be good candidates for the
next IGS
#           RF, i.e. with long, stable time series, and either located
in
#           areas not well covered by IGS14 or deemed useful by APREF,
EUREF,
#           SIRGAS or SONEL.
# - 6 (10) : Ten fundamental CORS stations of special interest to NGS.
# - 7 (66) : A handpicked selection of stations proposed by APREF,
EUREF, NGS,

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#           SIRGAS and SONEL, which nicely complement the geographical
#           distribution of the higher priority stations.
# - 8 (28) : Other non-IGS stations with nice time series, located in
areas
#           not well covered by higher priority stations.
# - 9 (283): The remaining stations proposed by APREF, EUREF, NGS,
SIRGAS and
#           SONEL.
# - 10 (65) : Even more (low-priority) Australian stations proposed by
APREF.
# - 11 (292): All remaining IGS stations. Those are of little interest
from the
#           RF point of view. However, having them included in repro3
would
#           allow to fulfill the recommendation made by the
Infrastructure
#           Committee at the IGS 2017 Workshop "to provide [...] weekly
#           positions for ALL IGS network stations", at least over the
repro3
#           period.
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# Links to site logs of each network:

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# - apref   : ftp://ftp.ga.gov.au/geodesy-outgoing/gnss/logs
# - epn     : ftp://epncb.oma.be/pub/station/log
# - geonet  : ftp://ftp.geonet.org.nz/gps/sitelogs/logs
# - gref    : ftp://igs.bkg.bund.de/GREF/station
# - igs     : ftp://igs.org/pub/station/log
# - igsold  : ftp://igs.org/pub/station/oldlog
# - ngs     : ftp://www.ngs.noaa.gov/cors/station_log
# - nrcan   : ftp://rtopsdata1.geod.nrcan.gc.ca/gps/station_logs
# - oafa    : http://ramsac.ign.gob.ar/ver_formulario_igs.php?e=T0FGQQ==
# - sirgas  : ftp://ftp.sirgas.org/pub/gps/DGF/station/log
# - sonel   : ftp://ftp.sonel.org/meta/gpslog
# - ucsd    : ftp://garner.ucsd.edu/pub/docs/station_logs
# - unavco  : ftp://data-out.unavco.org/pub/logs
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# Links to RINEX files of each network:

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# - apref   : ftp://ftp.ga.gov.au/geodesy-outgoing/gnss/data/daily
# - epn     : ftp://ftp.epncb.oma.be/pub/obs
# - geonet  : ftp://ftp.geonet.org.nz/gps
# - gref    : ftp://igs.bkg.bund.de/GREF/obs
# - igs     : ftp://cddis.gsfc.nasa.gov/pub/gps/data/daily
# - igsold  : ftp://cddis.gsfc.nasa.gov/pub/gps/data/daily
# - ngs     : ftp://www.ngs.noaa.gov/cors/rinex
# - nrcan   : ftp://rtopsdata1.geod.nrcan.gc.ca/gps/data/gpsdata
# - oafa    : ftp://ftp.unsj.edu.ar/agrimensura/EstacionPermanente Oafa
# - sirgas  : ftp://igs.ign.fr/pub/igs/data
# - sonel   : ftp://ftp.sonel.org/gps/data
# - ucsd    : ftp://garner.ucsd.edu/pub/rinex
# - unavco  : ftp://data-out.unavco.org/pub
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# pr  code  net      lat(deg)   lon(deg)
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1  AREQ  igs      -16.4655  -71.4928
1  ASC1  igsold   -7.9512   -14.4121
1  BADG  igs       51.7697  102.2350
1  Bahr  igsold   26.2091   50.6081

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1	BHR4	igs	26.2091	50.6081
1	BRAZ	igs	-15.9475	-47.8779
1	CAS1	igs	-66.2834	110.5197
1	CHAT	igsold	-43.9558	-176.5658
1	CHTI	igs	-43.7355	-176.6171
1	CKIS	igs	-21.2010	-159.8006
1	COCO	igs	-12.1884	96.8340
1	CRO1	igs	17.7569	-64.5843
1	DAEJ	igs	36.3994	127.3745
1	DRAO	igs	49.3226	-119.6250
1	EISL	igsold	-27.1482	-109.3833
1	FAIR	igs	64.9780	-147.4992
1	GALA	igsold	-0.7427	-90.3036
1	GLPS	igs	-0.7430	-90.3037
1	GODE	igs	39.0217	-76.8268
1	GOUG	igsold	-40.3488	-9.8807
1	GUAM	igs	13.5893	144.8684
1	HRAO	igs	-25.8901	27.6870
1	IISC	igs	13.0212	77.5704
1	IRKT	igs	52.2190	104.3162
1	ISPA	igs	-27.1250	-109.3444
1	KELY	igsold	66.9874	-50.9448
1	KERG	igs	-49.3515	70.2555
1	KIRI	igs	1.3546	172.9229
1	KIRU	igs	67.8573	20.9684
1	KOKB	igs	22.1263	-159.6649
1	KOUR	igs	5.2522	-52.8060
1	KWJ1	igsold	8.7222	167.7302
1	MAC1	igs	-54.4995	158.9358
1	MAL2	igs	-2.9961	40.1941
1	MALI	igsold	-2.9959	40.1944
1	MAS1	igs	27.7637	-15.6333
1	MATE	igs	40.6491	16.7045
1	MCIL	igs	24.2901	153.9787
1	MDVJ	igs	56.0215	37.2145
1	MDVO	igsold	56.0275	37.2236
1	MKEA	igs	19.8014	-155.4563
1	NAMA	igsold	19.2114	42.0446
1	NKLG	igs	0.3539	9.6721
1	NOUM	igsold	-22.2699	166.4102
1	NRMD	igs	-22.2283	166.4849
1	OHI2	igs	-63.3211	-57.9013
1	OHIG	igsold	-63.3207	-57.9003
1	PIE1	igs	34.3015	-108.1189
1	POL2	igs	42.6798	74.6943
1	REUN	igs	-21.2082	55.5717
1	RIO2	igs	-53.7855	-67.7511
1	RIOG	igsold	-53.7855	-67.7511
1	SANT	igs	-33.1503	-70.6686
1	SCOR	igs	70.4853	-21.9503
1	STHL	igs	-15.9425	-5.6673
1	STJO	igs	47.5952	-52.6777
1	SUTH	igs	-32.3802	20.8105
1	SYOG	igs	-69.0070	39.5837
1	TAEJ	igsold	36.3744	127.3661
1	TCMS	igs	24.7980	120.9874
1	THTI	igs	-17.5771	-149.6064
1	TIDB	igs	-35.3992	148.9800

1	TOW2	igs	-19.2693	147.0557
1	YAR1	igsold	-29.0466	115.3470
1	YAR2	igs	-29.0466	115.3470
1	YELL	igs	62.4809	-114.4807
2	AIRA	igs	31.8241	130.5996
2	AJAC	igs	41.9275	8.7626
2	ALGO	igs	45.9558	-78.0714
2	AOML	igsold	25.7347	-80.1622
2	ASCG	igs	-7.9163	-14.3327
2	BAKO	igs	-6.4911	106.8489
2	BJFS	igs	39.6086	115.8925
2	BOR1	igs	52.2770	17.0735
2	BREW	igs	48.1315	-119.6826
2	BRFT	igs	-3.8774	-38.4255
2	CAGL	igsold	39.1359	8.9728
2	CCJ2	igs	27.0675	142.1950
2	CCJM	igsold	27.0956	142.1846
2	CHAN	igs	43.7905	125.4433
2	CHPI	igs	-22.6871	-44.9852
2	CONZ	igsold	-36.8438	-73.0255
2	CPVG	igs	16.7321	-22.9349
2	CRAO	igs	44.4133	33.9910
2	CZTG	igs	-46.4319	51.8555
2	DJIG	igs	11.5263	42.8471
2	DUM1	igs	-66.6651	140.0019
2	DYNG	igs	38.0786	23.9324
2	FORT	igsold	-3.8774	-38.4256
2	FTNA	igs	-14.3078	-178.1209
2	GAMB	igs	-23.1304	-134.9648
2	GAMG	igs	35.5901	127.9197
2	GLSV	igs	50.3642	30.4967
2	GMSD	igs	30.5564	131.0156
2	GOLD	igs	35.4252	-116.8892
2	GRAS	igs	43.7547	6.9206
2	GRAZ	igs	47.0671	15.4935
2	GUUG	igs	13.4332	144.8027
2	HARB	igs	-25.8870	27.7072
2	HERT	igs	50.8675	0.3344
2	HOB2	igs	-42.8047	147.4387
2	IRKJ	igs	52.2190	104.3162
2	JFNG	igs	30.5156	114.4910
2	KAT1	igs	-14.3760	132.1533
2	KGNI	igs	35.7103	139.4881
2	KIT3	igs	39.1348	66.8854
2	KOSG	igsold	52.1784	5.8096
2	KOUG	igs	5.0985	-52.6398
2	KSMV	igs	35.9554	140.6577
2	KSTU	igsold	55.9932	92.7938
2	KUNM	igsold	25.0295	102.7972
2	LHAZ	igs	29.6572	91.1040
2	LMMF	igs	14.5948	-60.9962
2	MADR	igs	40.4292	-4.2497
2	MALD	igsold	4.1887	73.5263
2	MANA	igs	12.1489	-86.2490
2	MARN	sonel	-46.8765	37.8610
2	MAUI	igs	20.7067	-156.2570
2	MDO1	igs	30.6805	-104.0150
2	MEDI	igs	44.5200	11.6468

2	METG	igs	60.2420	24.3842
2	METS	igs	60.2175	24.3953
2	MIZU	igs	39.1352	141.1328
2	MONP	igs	32.8919	-116.4224
2	MRC1	igs	38.4991	-77.3706
2	NLIB	igs	41.7716	-91.5749
2	NOT1	igs	36.8761	14.9898
2	NYA1	igs	78.9296	11.8653
2	Oafa	oafa	-31.5087	-68.6233
2	ONSA	igs	57.3953	11.9255
2	OWMG	igs	-44.0243	-176.3688
2	OWNG	igsold	-44.0249	-176.3683
2	PARK	igs	-32.9988	148.2646
2	PDEL	igs	37.7477	-25.6628
2	POTS	igs	52.3793	13.0661
2	PTAG	igs	14.5354	121.0408
2	QUIN	igs	39.9746	-120.9444
2	REYK	igs	64.1388	-21.9555
2	RIGA	igs	56.9486	24.0588
2	ROTH	igs	-67.5714	-68.1258
2	SCUB	igs	20.0121	-75.7623
2	SEJN	igs	36.5222	127.3032
2	SEY1	igsold	-4.6737	55.4794
2	SEYG	igs	-4.6787	55.5306
2	SFER	igs	36.4643	-6.2056
2	SGOC	igs	6.8921	79.8742
2	SHAO	igs	31.0996	121.2004
2	SMST	igs	33.5779	135.9370
2	SOFI	igs	42.5561	23.3947
2	SOLA	igsold	24.9107	46.4006
2	STK2	igs	43.5286	141.8448
2	STR1	igs	-35.3155	149.0100
2	SVTL	igs	60.5329	29.7809
2	TABL	igs	34.3818	-117.6783
2	TAHI	igsold	-17.5765	-149.6094
2	THU3	igsold	76.5370	-68.8250
2	TLSE	igs	43.5607	1.4809
2	TOUL	igsold	43.5608	1.4808
2	TSKB	igs	36.1057	140.0875
2	URUM	igs	43.8079	87.6007
2	VNDP	igs	34.5563	-120.6164
2	WARK	igs	-36.4344	174.6628
2	WES2	igs	42.6133	-71.4933
2	WTZR	igs	49.1442	12.8789
2	WUHN	igs	30.5317	114.3573
2	YEBE	igs	40.5249	-3.0886
2	YSSK	igs	47.0297	142.7167
2	ZECK	igs	43.7884	41.5651
2	ZIMM	igs	46.8771	7.4653
3	AB07	ngs	55.3493	-160.4768
3	AB11	ngs	64.5645	-165.3734
3	ALBH	igs	48.3898	-123.4875
3	ANKR	igs	39.8875	32.7586
3	AREG	igs	-16.4654	-71.4929
3	BRMU	igs	32.3704	-64.6963
3	BRST	igs	48.3805	-4.4966
3	CASA	igsold	37.6446	-118.8967
3	CHPG	igs	-22.6823	-45.0024

3	CIBG	igs	-6.4904	106.8492
3	EFBG	gref	50.5253	6.8819
3	GODN	igs	39.0212	-76.8271
3	GODS	igs	39.0205	-76.8273
3	GODZ	igs	39.0217	-76.8268
3	GRAC	igs	43.7545	6.9208
3	HERS	igs	50.8673	0.3362
3	HOBU	epn	53.0506	10.4763
3	HOFN	igs	64.2673	-15.1979
3	IUCO	ngs	39.1741	-86.5064
3	JPLM	igs	34.2048	-118.1732
3	KATC	sonel	35.9515	27.7808
3	KBRC	unavco	34.3985	-119.0082
3	KITG	igs	39.1334	66.8867
3	KOKV	igs	22.1263	-159.6649
3	KRGG	igs	-49.3515	70.2555
3	KTVL	epn	44.3929	33.9695
3	LAMP	epn	35.4995	12.6057
3	METZ	igsold	60.2175	24.3953
3	OHI3	igs	-63.3211	-57.9014
3	PHLW	unavco	29.8615	31.3434
3	PLTC	ngs	40.1816	-104.7259
3	PTGG	igs	14.5354	121.0413
3	RCM5	ngs	25.6138	-80.3839
3	RCM6	igsold	25.6138	-80.3839
3	SEAT	ngs	47.6540	-122.3095
3	STJ2	nrcan	47.5952	-52.6783
3	STJ3	igs	47.5954	-52.6783
3	STR2	igs	-35.3162	149.0102
3	THTG	igs	-17.5771	-149.6064
3	THU2	igs	76.5370	-68.8250
3	TLSG	igs	43.5497	1.4850
3	TRIE	sonel	45.7098	13.7635
3	TRO1	igs	69.6627	18.9396
3	TUC2	epn	35.5332	24.0706
3	USUD	igs	36.1331	138.3620
3	WTZA	igs	49.1442	12.8789
3	WTZZ	igs	49.1442	12.8789
3	WVGB	ngs	38.4301	-79.8170
3	YAR3	igs	-29.0465	115.3471
3	YARR	igs	-29.0466	115.3470
3	YEL2	igs	62.4813	-114.4808
4	ABMF	igs	16.2623	-61.5275
4	ABPO	igs	-19.0183	47.2292
4	ADE1	igsold	-34.7290	138.6473
4	ADIS	igs	9.0351	38.7663
4	ALIC	igs	-23.6701	133.8855
4	ALRT	igs	82.4943	-62.3405
4	AMC2	igsold	38.8031	-104.5246
4	AREV	igsold	-16.4655	-71.4928
4	ARTU	igs	56.4298	58.5605
4	AUCK	igs	-36.6028	174.8344
4	BARH	igs	44.3950	-68.2217
4	BHR1	igsold	26.2091	50.6081
4	BILI	igsold	68.0761	166.4380
4	BJCO	igs	6.3847	2.4500
4	BJNM	igs	40.2453	116.2241
4	BRUS	igsold	50.7978	4.3592

4	BRUX	igs	50.7981	4.3586
4	BSHM	igs	32.7790	35.0200
4	BUCU	igs	44.4639	26.1257
4	CAGZ	igsold	39.1359	8.9728
4	CEDU	igs	-31.8667	133.8098
4	CFAG	igsold	-31.6022	-68.2326
4	CHUM	igs	42.9985	74.7511
4	CHUR	igs	58.7591	-94.0887
4	CNMR	igs	15.2297	145.7431
4	DARW	igs	-12.8437	131.1327
4	DAV1	igs	-68.5773	77.9726
4	DGAR	igs	-7.2697	72.3702
4	DGAV	igsold	-7.2697	72.3702
4	DRAG	igs	31.5932	35.3921
4	DUBO	igs	50.2588	-95.8662
4	EBRE	igs	40.8209	0.4923
4	FAA1	igs	-17.5553	-149.6143
4	FALK	igs	-51.6937	-57.8741
4	FLIN	igs	54.7256	-101.9780
4	FLRS	igs	39.4538	-31.1264
4	FUNC	igs	32.6479	-16.9076
4	GANP	igs	49.0347	20.3229
4	GMAS	igsold	27.7648	-15.6343
4	GOL2	igs	35.4252	-116.8893
4	GUAO	igs	43.4711	87.1773
4	GUAT	igs	14.5904	-90.5202
4	HLFX	igs	44.6835	-63.6113
4	HNLC	igs	21.3033	-157.8645
4	HOLB	igs	50.6404	-128.1350
4	HOLM	igs	70.7364	-117.7609
4	HYDE	igs	17.4173	78.5509
4	INVK	igs	68.3062	-133.5270
4	IQAL	igs	63.7560	-68.5105
4	IRKM	igs	52.2190	104.3162
4	JOZE	igs	52.0973	21.0315
4	KARR	igs	-20.9814	117.0972
4	LAUT	igs	-17.6088	177.4466
4	LHAS	igsold	29.6573	91.1040
4	LPAL	igs	28.7640	-17.8938
4	LPGS	igs	-34.9067	-57.9323
4	LROC	igs	46.1589	-1.2193
4	MAR6	igs	60.5951	17.2585
4	MAT1	igs	40.6491	16.7045
4	MAW1	igs	-67.6048	62.8707
4	MBAR	igs	-0.6015	30.7379
4	MCM4	igs	-77.8383	166.6693
4	MOBS	igs	-37.8294	144.9753
4	MQZG	igs	-43.7027	172.6547
4	NAIN	igs	56.5370	-61.6887
4	NANO	igs	49.2948	-124.0865
4	NAUR	igs	-0.5517	166.9256
4	NICO	igs	35.1410	33.3964
4	NIST	igs	39.9951	-105.2626
4	NISU	igsold	39.9954	-105.2623
4	NIUM	igs	-19.0766	-169.9271
4	NNOR	igs	-31.0487	116.1927
4	NRC1	igs	45.4542	-75.6238
4	NRIL	igs	69.3618	88.3598

4	NURK	igs	-1.9446	30.0897
4	NYAL	igs	78.9296	11.8651
4	OSN1	igsold	37.0776	127.0240
4	OUS2	igs	-45.8695	170.5109
4	PARC	igs	-53.1370	-70.8799
4	PERT	igs	-31.8020	115.8852
4	POHN	igs	6.9599	158.2101
4	POLV	igs	49.6026	34.5429
4	PRDS	igs	50.8714	-114.2935
4	QAQ1	igs	60.7153	-46.0478
4	QIKI	igs	67.5593	-64.0337
4	RABT	igs	33.9981	-6.8543
4	RAMO	igs	30.5978	34.7631
4	RCMN	igs	-1.2208	36.8935
4	RECF	igsold	-8.0510	-34.9515
4	RESO	igs	74.6908	-94.8933
4	SALU	igs	-2.5935	-44.2125
4	SAVO	igs	-12.9392	-38.4323
4	SCH2	igs	54.8321	-66.8326
4	SUTM	igs	-32.3814	20.8109
4	SUWN	igs	37.2755	127.0542
4	SYDN	igs	-33.7809	151.1504
4	TAH1	igsold	-17.5770	-149.6062
4	TASH	igs	41.3280	69.2956
4	TEHN	igs	35.6973	51.3341
4	TID1	igs	-35.3992	148.9800
4	TIXI	igs	71.6345	128.8664
4	TNML	igs	24.7980	120.9873
4	TRAB	igsold	40.9947	39.7756
4	TROM	igsold	69.6628	18.9383
4	TUVA	igs	-8.5253	179.1966
4	UFPR	igs	-25.4484	-49.2310
4	UNBJ	igs	45.9502	-66.6417
4	UNSA	igs	-24.7275	-65.4076
4	USN3	igsold	38.9206	-77.0663
4	USNO	igs	38.9190	-77.0662
4	UZHL	igs	48.6320	22.2976
4	VACS	igs	-20.2971	57.4970
4	VESL	igsold	-71.6738	-2.8418
4	WHIT	igs	60.7505	-135.2221
4	WILL	igs	52.2369	-122.1678
4	WIND	igs	-22.5749	17.0894
4	WSRT	igs	52.9146	6.6045
4	XMIS	igs	-10.4500	105.6885
4	YAKT	igs	62.0310	129.6803
4	YIBL	igs	22.1865	56.1123
4	ZAMB	igs	-15.4255	28.3110
4	ZIM2	igs	46.8771	7.4650
5	AMC4	igs	38.8031	-104.5246
5	AMCT	igsold	38.8031	-104.5246
5	ANMG	igs	2.7846	101.5066
5	ANTC	igs	-37.3387	-71.5321
5	ASPA	igs	-14.3261	-170.7224
5	BAIE	igs	49.1868	-68.2633
5	BAKE	igs	64.3178	-96.0023
5	BAMF	igs	48.8353	-125.1351
5	BELE	igs	-1.4088	-48.4625
5	BHR2	igsold	26.2091	50.6081



5	BOAV	igs	2.8452	-60.7011
5	BRUN	igs	4.9712	114.9524
5	BZRG	igs	46.4990	11.3368
5	CGGN	igs	10.1231	9.1183
5	CKSV	igs	22.9989	120.2200
5	CMUM	igs	18.7609	98.9324
5	COPO	igsold	-27.3845	-70.3382
5	COYQ	igs	-45.5143	-71.8921
5	CUSV	igs	13.7359	100.5339
5	DAKA	igsold	14.6850	-17.4648
5	DAKR	igs	14.7212	-17.4395
5	DEAR	igs	-30.6652	23.9926
5	DUND	igs	-45.8837	170.5972
5	FALE	igs	-13.8322	-171.9995
5	GENO	igs	44.4194	8.9211
5	HKSL	igs	22.3720	113.9280
5	HNPT	igs	38.5888	-76.1304
5	HNUS	igs	-34.4246	19.2231
5	IQQE	igs	-20.2735	-70.1317
5	ISBA	igs	33.3414	44.4384
5	JOG2	igs	-7.7638	110.3725
5	JOZ2	igs	52.0978	21.0323
5	KHAJ	igsold	48.5215	135.0462
5	KIRO	igs	67.8776	21.0602
5	KMNM	igs	24.4638	118.3886
5	KOUC	igs	-20.5587	164.2873
5	KRS1	igs	40.5885	43.0934
5	KUUJ	igsold	55.2784	-77.7454
5	KZN2	igs	55.7908	49.1192
5	LAMA	igs	53.8924	20.6699
5	LCK2	igsold	26.9126	80.9560
5	LCK4	igs	26.9121	80.9556
5	MAG0	igs	59.5758	150.7700
5	MAJU	igs	7.1191	171.3645
5	MARS	igs	43.2788	5.3538
5	MCHL	igs	-26.3589	148.1450
5	MELI	igs	35.2812	-2.9516
5	MGUE	igs	-35.7774	-69.3979
5	MOIU	igs	0.2883	35.2900
5	MRO1	igs	-26.6966	116.6375
5	NSSP	igsold	40.2265	44.5029
5	NTUS	igs	1.3458	103.6799
5	NVSK	igs	54.8406	83.2355
5	PBRI	igs	11.6378	92.7121
5	PENC	igs	47.7896	19.2815
5	PETP	igsold	53.0667	158.6071
5	PETS	igs	53.0233	158.6501
5	PGEN	igs	6.0649	125.1317
5	PICL	igs	51.4798	-90.1620
5	PIMO	igs	14.6357	121.0777
5	PNGM	igs	-2.0432	147.3660
5	POAL	igs	-30.0740	-51.1198
5	POVE	igs	-8.7093	-63.8963
5	PTVL	igs	-17.7494	168.3150
5	REDU	igs	50.0015	5.1449
5	SAMO	igs	-13.8492	-171.7384
5	SASK	igs	52.1963	-106.3984
5	SBOK	igs	-29.6693	17.8792

5	SCRZ	igs	-17.7968	-63.1597
5	SEY2	igs	-4.6737	55.4795
5	SOLO	igs	-9.4349	159.9543
5	SPT0	igs	57.7150	12.8913
5	SULP	igs	49.8356	24.0145
5	TDOU	igs	-23.0799	30.3840
5	TONG	igs	-21.1447	-175.1792
5	TORP	igs	33.7978	-118.3306
5	TUBI	igs	40.7867	29.4507
5	ULAB	igs	47.8651	107.0523
5	ULDI	igs	-28.2931	31.4209
5	UMTA	igsold	-31.5488	28.6725
5	VIS0	igs	57.6539	18.3673
5	VOIM	igs	-21.9063	46.7933
5	WARN	igs	54.1698	12.1014
5	WGTM	igs	-41.3235	174.8059
5	WROC	igs	51.1133	17.0620
5	YKRO	igs	6.8706	-5.2401
6	AB09	ngs	65.6150	-168.0621
6	AB51	ngs	56.7976	-132.9136
6	ATQK	ngs	70.4720	-157.4079
6	CN11	unavco	17.0212	-77.7841
6	FLF1	ngs	25.6153	-80.3861
6	P043	ngs	43.8811	-104.1857
6	P777	ngs	35.7027	-92.5455
6	P804	ngs	32.9633	-84.2258
6	SAN0	ngs	12.5805	-81.7153
6	TMG2	ngs	40.1300	-105.2331
7	AC43	ngs	59.5213	-149.6287
7	ACP1	sonel	9.3714	-79.9499
7	ADRI	ngs	41.9190	-84.0243
7	AHID	ngs	42.7731	-111.0637
7	AL92	ngs	30.9164	-87.7757
7	ALBY	apref	-34.9502	117.8102
7	BABR	sirgas	-12.1500	-44.9949
7	BRO1	apref	-18.0040	122.2091
7	BSMK	ngs	46.8211	-100.8167
7	BUEN	sirgas	7.1189	-73.1193
7	BULA	apref	-22.9135	139.9031
7	CALL	sirgas	-12.0629	-77.1493
7	CAM2	sirgas	19.8444	-90.5402
7	CASC	epn	38.6934	-9.4185
7	CEFE	sirgas	-20.3108	-40.3195
7	CN40	ngs	12.1800	-68.9580
7	CUIB	sirgas	-15.5553	-56.0699
7	DARE	epn	53.3448	-2.6405
7	HER2	sirgas	29.0925	-110.9672
7	HERN	apref	-30.3266	152.4869
7	HNIS	apref	-10.5904	142.2962
7	ICAM	sirgas	19.8534	-90.5275
7	IGM1	sirgas	-34.5722	-58.4394
7	IMPZ	sirgas	-5.4918	-47.4972
7	IPAZ	sirgas	24.1453	-110.3307
7	IQUI	sirgas	-3.7673	-73.2687
7	ISCO	sirgas	5.5444	-87.0558
7	KEPA	sonel	-54.2952	-36.5143
7	KINL	sonel	58.4588	-5.0523
7	LHCL	sirgas	-38.0027	-65.5952

7	LORD	apref	-31.5199	159.0612
7	LPAZ	sirgas	24.1388	-110.3193
7	MPL2	sirgas	-38.0058	-57.5713
7	MPLA	sirgas	-38.0356	-57.5311
7	MTCO	sirgas	-10.8039	-55.4563
7	MTY2	sirgas	25.7155	-100.3129
7	NAUS	sirgas	-3.0229	-60.0550
7	NCKN	ngs	34.9418	-77.9805
7	NESA	sirgas	-40.1054	-64.4540
7	NORF	apref	-29.0434	167.9388
7	OSOR	sirgas	-40.5972	-73.1036
7	P009	ngs	38.4799	-112.2227
7	P049	ngs	47.3500	-110.9062
7	PALA	sonel	7.3282	134.4502
7	PLBA	sonel	-33.9845	25.6107
7	PPTE	sirgas	-22.1199	-51.4085
7	REDM	ngs	44.2598	-121.1479
7	RIOB	sirgas	-9.9655	-67.8028
7	ROCD	sirgas	-13.1223	-60.5439
7	SAGA	sirgas	-0.1439	-67.0578
7	SALV	sirgas	-13.0087	-38.5124
7	STAS	epn	59.0177	5.5986
7	SVIC	sirgas	-26.9936	-54.4875
7	TAMP	sirgas	22.2783	-97.8640
7	TBOB	apref	-29.4502	142.0574
7	TRDS	epn	63.3714	10.3192
7	TTUW	sonel	10.6395	-61.3991
7	TXLI	ngs	30.0559	-94.7710
7	TXLU	ngs	33.5354	-101.8428
7	UCOM	sonel	19.1241	-104.4015
7	VARS	epn	70.3364	31.0312
7	VIGO	epn	42.1840	-8.8131
7	WALH	apref	-17.7763	135.6433
7	WARA	apref	-25.0372	128.2962
7	WIS5	ngs	46.7051	-92.0152
7	ZKC1	ngs	38.8802	-94.7908
8	AB01	sonel	52.2095	-174.2048
8	AC58	ngs	57.1561	-170.2178
8	AC60	ngs	52.7146	174.0763
8	ARUB	apref	-31.8091	125.9243
8	BERP	unavco	-74.5459	-111.8846
8	BJKA	ngs	11.1247	2.9280
8	BRN2	unavco	26.5197	87.2722
8	BUMS	unavco	-85.9615	174.4991
8	CLRK	unavco	-77.3401	-141.8738
8	DHAK	unavco	23.7270	90.4010
8	DODM	unavco	-6.1865	35.7482
8	HOWN	unavco	-77.5280	-86.7673
8	KRTM	sonel	2.0466	-157.4473
8	KRTV	unavco	50.7140	78.6191
8	KSNB	sonel	66.8632	-35.5763
8	LEFN	unavco	80.4567	-26.2935
8	MAUA	unavco	-19.9022	23.5284
8	MONG	unavco	-15.2541	23.1507
8	OUAG	sonel	12.3564	-1.5125
8	OXPE	unavco	15.8887	-97.0753
8	RAUL	geonet	-29.2447	-177.9290
8	RMBO	unavco	-83.8732	-66.3939

8	SNGC	unavco	-10.6898	35.6728
8	SNLR	sirgas	1.2925	-78.8470
8	SPED	unavco	18.4610	-69.3056
8	SRMP	sonel	72.9107	-54.3937
8	UMAS	apref	1.4683	110.4247
8	ZOMB	unavco	-15.3758	35.3251
9	00NA	apref	-12.4666	130.8440
9	AB02	ngs	52.9706	-168.8547
9	AB15	ngs	61.0398	-159.8783
9	AB27	ngs	67.0559	-156.9049
9	AB45	ngs	68.7605	-148.8711
9	AC19	ngs	62.5192	-153.6073
9	AC24	ngs	58.6816	-156.6528
9	AC40	ngs	56.9304	-158.6185
9	AC67	ngs	57.7907	-152.4254
9	AC79	ngs	59.9979	-147.4030
9	ACOR	epn	43.3644	-8.3989
9	AIS5	ngs	55.0691	-131.5995
9	ALAC	epn	38.3389	-0.4812
9	ALAN	ngs	31.3074	-86.4840
9	ALME	epn	36.8525	-2.4594
9	AMTE	sirgas	-3.3457	-64.7067
9	AND1	sonel	69.3261	16.1348
9	ANP5	ngs	39.0103	-76.6092
9	ANP6	ngs	39.0105	-76.6091
9	AUKT	apref	-36.8438	174.7704
9	AUT1	epn	40.5668	23.0037
9	AUTF	sirgas	-54.8395	-68.3036
9	AV24	unavco	54.5900	-164.7548
9	BACA	epn	46.5621	26.9122
9	BADH	epn	50.2280	8.6099
9	BAIA	epn	47.6518	23.5577
9	BELL	epn	41.5996	1.4011
9	BET1	ngs	60.7879	-161.8417
9	BGGY	ngs	17.0451	-61.8612
9	BIAZ	sonel	43.4720	-1.5369
9	BLUF	apref	-46.5851	168.2921
9	BLW2	ngs	42.7671	-109.5578
9	BMHG	sonel	49.6592	-1.8296
9	BOGI	igs	52.4750	21.0352
9	BOGO	epn	52.4759	21.0353
9	BOMJ	sirgas	-13.2556	-43.4217
9	BORJ	epn	53.5789	6.6664
9	BORR	epn	39.9052	-0.0832
9	BUDP	epn	55.7390	12.5000
9	BUR2	apref	-41.0501	145.9148
9	CACE	epn	39.4789	-6.3418
9	CAEN	epn	49.1827	-0.4571
9	CAMP	sonel	41.9182	8.7908
9	CANT	epn	43.4720	-3.7981
9	CART	sirgas	10.3914	-75.5339
9	CATA	sirgas	-28.4708	-65.7739
9	CCV6	ngs	28.4600	-80.5455
9	CEEU	sirgas	-3.8775	-38.4255
9	CEU1	epn	35.8920	-5.3064
9	CHAC	sirgas	-27.4204	-58.9597
9	CHET	sirgas	18.4953	-88.2992
9	CHZZ	ngs	45.4865	-123.9781

9	CIC1	igsold	31.8707	-116.6658
9	CN00	ngs	17.6685	-61.7856
9	CN04	unavco	14.0236	-60.9739
9	CN35	ngs	13.3755	-81.3629
9	COOB	apref	-29.0347	134.7226
9	CORM	apref	-36.8654	175.7496
9	CORV	ngs	44.5855	-123.3046
9	COST	epn	44.1615	28.6575
9	COUD	sonel	51.0229	2.3741
9	CRAT	sirgas	-7.2380	-39.4156
9	CUCU	sirgas	7.8985	-72.4879
9	DIPL	sonel	48.5899	-2.0760
9	DNVK	apref	-40.2989	176.1667
9	DOBS	ngs	36.4254	-80.7199
9	DRBA	sonel	-29.8512	31.0235
9	DSMG	apref	22.1590	113.5688
9	ECSD	ngs	43.7337	-96.6140
9	EDIN	epn	55.9248	-3.2948
9	EDSV	apref	-25.3758	151.1198
9	EGAN	ngs	39.3452	-114.9389
9	EIJS	epn	50.7582	5.6836
9	ELDA	sonel	-33.0369	27.8326
9	ELEN	sirgas	16.9161	-89.8676
9	ENTZ	epn	48.5494	7.6399
9	EXMT	apref	-21.9607	114.1134
9	EXU0	sirgas	23.5640	-75.8734
9	EZEV	sonel	43.7744	7.4973
9	FERN	ngs	35.3419	-112.4547
9	FLND	apref	-40.2144	148.2416
9	FRED	ngs	36.9883	-112.4992
9	FTS5	ngs	46.2049	-123.9561
9	GABO	apref	-37.5681	149.9152
9	GACC	ngs	33.5458	-82.1338
9	GARI	epn	44.6769	12.2494
9	GCGT	sirgas	19.2929	-81.3794
9	GDMA	ngs	47.7486	-90.3413
9	GNVL	ngs	29.6865	-82.2769
9	GOJA	sirgas	-17.8833	-51.7261
9	GRIS	ngs	29.2655	-89.9573
9	GSR1	epn	46.0481	14.5437
9	GUIP	epn	48.4446	-4.4118
9	GUST	ngs	41.4628	-80.7162
9	HAAS	apref	-44.0732	168.7856
9	HAST	apref	-39.6170	176.7266
9	HIKB	apref	-37.5610	178.3034
9	HKCL	apref	22.2958	113.9077
9	HKKT	apref	22.4449	114.0666
9	HKNP	apref	22.2491	113.8939
9	HKOH	apref	22.2477	114.2286
9	HKSC	apref	22.3222	114.1412
9	HKST	apref	22.3953	114.1842
9	HOKI	apref	-42.7129	170.9843
9	HOLY	sonel	53.3177	-4.6421
9	HONS	sonel	70.9771	25.9649
9	HUEL	epn	37.2000	-6.9203
9	ICT1	ngs	37.5877	-97.3089
9	IHOE	apref	-32.8641	143.4921
9	IJMU	epn	52.4620	4.5561

9	IMBT	sirgas	-28.2348	-48.6557
9	IRYL	sonel	5.2847	-52.5868
9	IZAN	epn	28.3081	-16.4997
9	JOEN	epn	62.3912	30.0962
9	KA14	ngs	39.4805	-88.1851
9	KARL	epn	49.0112	8.4113
9	KEN5	ngs	60.6751	-151.3502
9	KETG	sonel	-49.3522	70.2179
9	KMAN	apref	-16.1177	130.9555
9	KONE	sonel	47.8658	-3.9024
9	KSU1	ngs	39.1007	-96.6095
9	KTIA	apref	-35.0689	173.2731
9	KURE	epn	58.2556	22.5101
9	KYW1	sirgas	24.5823	-81.6530
9	LCDT	ngs	42.2951	-87.9603
9	LEBA	ngs	39.4305	-84.2831
9	LEXA	apref	-45.2310	169.3082
9	LINH	ngs	47.0003	-120.5385
9	LKTA	apref	-42.7834	172.2663
9	LPPZ	sonel	48.4463	-4.7604
9	MAHO	apref	-38.5130	174.8541
9	MAPA	sirgas	0.0467	-51.0973
9	MARA	sirgas	10.6740	-71.6244
9	MCD5	ngs	27.8498	-82.5323
9	MCD6	ngs	27.8498	-82.5326
9	MGBH	sirgas	-19.9419	-43.9249
9	MGIN	sirgas	-22.3186	-46.3280
9	MGMC	sirgas	-16.7164	-43.8583
9	MGUB	sirgas	-18.9192	-48.2560
9	MIBX	ngs	46.7641	-88.5130
9	MIMQ	ngs	46.5455	-87.3787
9	MNBE	ngs	43.6629	-94.1221
9	MNCA	ngs	43.6330	-91.4963
9	MNRT	ngs	46.4905	-96.2913
9	MNTF	ngs	48.1192	-96.2074
9	MONE	ngs	37.8658	-94.3496
9	MOWR	ngs	38.8146	-91.1614
9	MSCG	sirgas	-20.4409	-54.5407
9	MSOL	ngs	46.9294	-114.1089
9	MTFV	ngs	48.2275	-114.3268
9	MTJO	apref	-43.9857	170.4649
9	MTMA	apref	-28.1153	117.8431
9	MTSR	sirgas	-12.5452	-55.7274
9	NAS0	sirgas	25.0526	-77.4623
9	NCLF	apref	-34.7084	116.1233
9	NCSH	ngs	35.2816	-81.4911
9	NDMB	ngs	48.4161	-101.3302
9	NEAH	ngs	48.2979	-124.6249
9	NEIA	sirgas	-25.0202	-47.9250
9	NEWL	epn	50.1030	-5.5428
9	NHIL	apref	-36.3084	141.6460
9	NICA	sonel	43.7033	7.2273
9	NMGR	ngs	35.2166	-107.9301
9	NOR1	ngs	44.2558	-85.4372
9	NPLY	apref	-39.1826	174.1182
9	NRMG	sonel	-22.2283	166.4849
9	NYBP	ngs	40.7011	-74.0143
9	NYLP	ngs	43.1652	-78.7537

9	OKCB	ngs	27.2660	-80.8553
9	ONRJ	sirgas	-22.8957	-43.2243
9	OROS	epn	46.5550	20.6710
9	OSLS	epn	59.7366	10.3678
9	OTZ1	ngs	66.8873	-162.6114
9	P012	ngs	38.0974	-109.3338
9	P013	ngs	41.4287	-117.3300
9	P028	ngs	36.0317	-107.9084
9	P036	ngs	36.4203	-105.2937
9	P037	ngs	38.4218	-105.1047
9	P044	ngs	40.1718	-103.2225
9	P051	ngs	45.8066	-108.5461
9	P053	ngs	48.7261	-107.7254
9	P054	ngs	45.8463	-104.4414
9	P055	ngs	47.1167	-104.6851
9	P059	ngs	38.9283	-123.7262
9	P094	ngs	37.2008	-117.7042
9	P101	sonel	43.2095	140.8583
9	P169	ngs	40.7911	-123.9677
9	P213	sonel	27.0939	142.1946
9	P394	ngs	44.8349	-117.7996
9	P401	sonel	47.9372	-124.5570
9	P432	ngs	46.6229	-121.6832
9	P435	sonel	48.0595	-123.5033
9	P706	ngs	45.0435	-112.5241
9	P731	ngs	41.3325	-120.4727
9	PAIT	sirgas	-4.2877	-56.0364
9	PAPE	sonel	-17.5331	-149.5727
9	PCLA	ngs	30.4690	-87.1894
9	PEPE	sirgas	-9.3844	-40.5061
9	PLO5	ngs	32.6654	-117.2430
9	PLO6	ngs	32.6656	-117.2432
9	PMTG	sonel	50.8023	-1.1112
9	PMTH	epn	50.4165	-4.1262
9	PRAT	epn	43.8856	11.0991
9	PRIE	sonel	43.2768	5.3727
9	PRMI	ngs	17.9704	-67.0454
9	PSU1	ngs	40.8069	-77.8498
9	PTHL	apref	-20.5397	118.6789
9	PTKL	apref	-34.4756	150.9137
9	PTLD	apref	-38.3444	141.6135
9	PTSV	apref	-35.0947	138.4857
9	PUR3	sirgas	18.4630	-67.0670
9	PYGR	apref	-46.1662	166.6807
9	QUAD	nrcan	50.1325	-125.3308
9	RCA2	sonel	34.5000	-119.7200
9	RDON	unavco	16.9342	-62.3463
9	RHPT	apref	-41.0651	145.9618
9	RNNA	sirgas	-5.8361	-35.2077
9	ROGM	sirgas	-10.7842	-65.3306
9	ROSA	sirgas	-22.5233	-52.9521
9	RWSN	sirgas	-43.2989	-65.1072
9	SAGE	sirgas	9.3731	-83.7043
9	SANO	sonel	50.6503	-1.2130
9	SARZ	sonel	47.5245	-2.7698
9	SCHA	ngs	32.7795	-79.9254
9	SCHY	ngs	33.9399	-78.7352
9	SCOA	epn	43.3952	-1.6817

9	SELD	ngs	59.4457	-151.7067
9	SETE	sonel	43.3976	3.6991
9	SHEE	sonel	51.4457	0.7434
9	SHK5	ngs	40.4715	-74.0116
9	SHOE	epn	51.5548	0.8270
9	SIHS	ngs	31.8434	-91.6554
9	SJDV	epn	45.8791	4.6766
9	SKE0	epn	64.8792	21.0483
9	SMAR	sirgas	-29.7189	-53.7166
9	SMID	epn	55.6406	9.5593
9	STVI	ngs	18.3401	-64.9745
9	SULD	epn	56.8418	9.7422
9	SUP2	ngs	45.7495	-87.0735
9	SWAS	epn	51.5655	-3.9818
9	TAUP	apref	-38.7427	176.0810
9	TERS	epn	53.3627	5.2194
9	TGDE	sonel	58.0064	7.5548
9	TN23	ngs	35.9196	-84.9993
9	TN36	ngs	35.2558	-87.3260
9	TONO	ngs	38.0972	-117.1840
9	TRNG	apref	-37.7288	176.2609
9	TSEA	ngs	61.1873	-149.8950
9	TUBO	epn	49.2059	16.5928
9	TUCU	sirgas	-26.8433	-65.2304
9	TXFS	ngs	30.8939	-102.8665
9	TXHO	ngs	29.3439	-99.1344
9	TXKM	ngs	31.8426	-103.1087
9	TXTY	ngs	32.2496	-95.3936
9	USAL	epn	40.3349	18.1115
9	UYTA	sirgas	-31.6831	-55.9375
9	VALE	epn	39.4808	-0.3377
9	VALP	igsold	-33.0272	-71.6261
9	VAR1	sonel	70.3750	31.1040
9	VBCA	sirgas	-38.7008	-62.2692
9	VEN1	epn	45.4306	12.3541
9	VFCH	epn	47.2942	1.7197
9	VIKC	sonel	64.8637	11.2421
9	VIKH	ngs	17.7162	-64.7981
9	VIL0	epn	64.6978	16.5599
9	VITH	ngs	18.3433	-64.9692
9	VLNS	epn	54.6531	25.2987
9	WAIM	apref	-44.6557	170.9203
9	WANG	apref	-39.7869	174.8214
9	WARE	epn	50.6899	5.2453
9	WEST	apref	-41.7447	171.8062
9	WEYB	sonel	52.9449	1.1303
9	WGTT	apref	-41.2904	174.7816
9	WHKT	apref	-37.9817	177.0139
9	WHNG	apref	-35.8038	174.3146
9	WIL1	ngs	41.3053	-76.0153
9	WILU	apref	-26.6257	120.2184
9	WYLC	ngs	41.1045	-104.7754
9	YCBA	sirgas	-22.0171	-63.6800
9	YEEL	apref	-34.1442	135.7844
9	YEMA	sirgas	-24.2807	-61.2365
9	ZARA	epn	41.6334	-0.8822
9	ZDC1	ngs	39.1016	-77.5427
10	ANDA	apref	-30.4533	137.1601



10	ARMC	apref	-22.9568	145.2454
10	BALA	apref	-32.4608	123.8681
10	BBOO	apref	-32.8104	136.0587
10	BDLE	apref	-37.7586	147.6560
10	BDVL	apref	-25.9004	139.3479
10	BEEC	apref	-36.3464	146.6577
10	BING	apref	-32.4118	151.6523
10	BKNL	apref	-31.9963	141.4701
10	BNDY	apref	-24.9082	152.3210
10	BROC	apref	-36.0314	144.2040
10	BURA	apref	-30.5255	117.1746
10	CNBN	apref	-31.3333	149.2696
10	COEN	apref	-13.9588	143.1767
10	COOL	apref	-26.7421	145.6803
10	DODA	apref	-13.8346	131.1868
10	ESPA	apref	-33.8743	121.8943
10	FROY	apref	-18.1260	125.8004
10	GASC	apref	-24.6326	115.3386
10	HIL1	apref	-31.8255	115.7386
10	HUGH	apref	-20.9474	144.2045
10	HYDN	apref	-32.4494	118.8919
10	JAB2	apref	-12.6602	132.8945
10	JERV	apref	-22.8605	136.1007
10	JLCK	apref	-20.6693	141.7390
10	KALG	apref	-30.7844	121.4593
10	KELN	apref	-31.6223	117.7026
10	KGIS	apref	-39.9418	143.8471
10	KILK	apref	-26.0842	152.2521
10	LAMB	apref	-26.9386	134.0629
10	LARR	apref	-15.5732	133.2128
10	LIAW	apref	-41.9023	146.6731
10	LKYA	apref	-12.4555	130.8247
10	LONA	apref	-28.8784	121.3191
10	LURA	apref	-15.5775	144.4570
10	MAIN	apref	-14.0462	134.0929
10	MEDO	apref	-26.7574	114.6096
10	MTCV	apref	-25.9457	133.2067
10	MTDN	apref	-22.1328	131.4927
10	MTEM	apref	-37.5874	143.4489
10	MULG	apref	-30.2820	134.0586
10	NBRK	apref	-29.6772	145.8140
10	NEBO	apref	-21.6403	148.6985
10	NMTN	apref	-17.6717	141.0692
10	NORS	apref	-32.2600	121.7872
10	NSTA	apref	-29.0456	150.4441
10	NTJN	apref	-21.4572	133.9700
10	RAVN	apref	-33.5967	120.0709
10	RKLD	apref	-19.9676	137.8348
10	RNSP	apref	-18.3879	133.8165
10	RSBY	apref	-23.1610	150.7901
10	SA45	apref	-32.4703	137.9343
10	SPBY	apref	-42.5464	147.9308
10	STNY	apref	-38.3752	145.2140
10	THEV	apref	-32.1286	133.6968
10	TMBO	apref	-24.7717	146.2841
10	TOMP	apref	-22.8465	117.4003
10	TOOW	apref	-27.5344	151.9285
10	TURO	apref	-36.0352	150.1222

10	UCLA	apref	-31.6796	128.8832
10	WAGN	apref	-33.3331	117.4101
10	WLAL	apref	-19.7786	120.6435
10	WMGA	apref	-19.9334	134.3545
10	WWLG	apref	-33.7034	147.3217
10	YELO	apref	-31.2907	119.6458
11	ADE2	igsold	-34.7290	138.6473
11	AGGO	igs	-34.8737	-58.1399
11	ALGA	igsold	45.9559	-78.0714
11	AMMN	igsold	32.0284	35.8797
11	AOA1	igsold	34.1574	-118.8304
11	ARHT	igs	-77.8294	166.6637
11	ARUC	igs	40.2857	44.0856
11	ATRU	igs	47.1309	51.9538
11	AZU1	igs	34.1260	-117.8965
11	BAN2	igsold	13.0343	77.5116
11	BARB	igsold	13.0878	-59.6088
11	BDOS	igsold	13.0880	-59.6091
11	BHR3	igs	26.2091	50.6081
11	BIK0	igs	42.8542	74.5332
11	BILL	igs	33.5782	-117.0646
11	BLYT	igs	33.6104	-114.7149
11	BNOA	igs	-8.7465	115.2099
11	BOGT	igs	4.6401	-74.0809
11	BRAN	unavco	34.1849	-118.2771
11	BTNG	igs	1.4389	125.1904
11	BUE1	igsold	-34.5737	-58.5193
11	BUE2	igsold	-34.5737	-58.5193
11	CAGS	igs	45.5850	-75.8073
11	CARR	igsold	35.8884	-120.4308
11	CAT1	igsold	33.4458	-118.4830
11	CEBR	igs	40.4534	-4.3679
11	CHIL	igs	34.3334	-118.0260
11	CHOF	igs	35.6745	139.5311
11	CHTP	igsold	34.2567	-118.6416
11	CHWK	igs	49.1566	-122.0084
11	CICE	igsold	31.8713	-116.6674
11	CIT1	igs	34.1367	-118.1273
11	CLAR	igs	34.1099	-117.7088
11	CLGO	ngs	64.8738	-147.8605
11	CMP9	igs	34.3532	-118.4114
11	CONT	igsold	-36.8428	-73.0250
11	CORD	igs	-31.5284	-64.4700
11	COSO	igs	35.9823	-117.8089
11	COTE	igs	-77.8059	161.9978
11	CPNM	igs	10.7247	99.3744
11	CRFP	igs	34.0391	-117.0997
11	CSN1	sonel	34.2536	-118.5238
11	CUT0	igs	-32.0039	115.8948
11	CUUT	igs	13.7360	100.5339
11	DAE2	igs	36.3994	127.3745
11	DAM1	ucsd	34.3340	-118.3974
11	DAM2	unavco	34.3348	-118.3969
11	DARR	igsold	-12.8437	131.1327
11	DAVR	igsold	-68.5773	77.9726
11	DHLG	igs	33.3898	-115.7880
11	DLF1	igs	51.9860	4.3875
11	DLFT	igsold	51.9860	4.3876

11	DLTV	igs	11.9453	108.4818
11	DREJ	igsold	51.0298	13.7297
11	DUBR	igsold	42.6500	18.1104
11	DWH1	igsold	47.7741	-122.0802
11	DYR2	igsold	37.9157	40.2764
11	EIL1	igsold	64.6879	-147.1130
11	EIL2	igsold	64.6879	-147.1130
11	EIL3	igs	64.6879	-147.1130
11	EIL4	igs	64.6879	-147.1130
11	EPRT	igs	44.9087	-66.9921
11	ESCU	igs	47.0734	-64.7987
11	ESTI	igsold	13.0995	-86.3621
11	EURK	igsold	79.9885	-85.9399
11	EUSM	igs	5.1456	100.4941
11	FFMJ	igs	50.0906	8.6650
11	FRDN	igs	45.9335	-66.6599
11	FREE	igsold	26.7025	-78.9926
11	GCGO	igs	64.9781	-147.4994
11	GOP6	igs	49.9137	14.7856
11	GOP7	igs	49.9137	14.7856
11	GOPE	igs	49.9137	14.7856
11	HAL1	igs	20.7074	-156.2562
11	HALY	igsold	29.1389	36.0999
11	HAMD	igs	34.8691	48.5343
11	HARK	igsold	-25.8871	27.7078
11	HART	igsold	-25.8871	27.7078
11	HARV	igsold	34.4694	-120.6821
11	HELJ	igsold	54.1745	7.8931
11	HERP	igsold	50.8675	0.3362
11	HFLK	igsold	47.3129	11.3861
11	HILO	igsold	19.7192	-155.0527
11	HKWS	igs	22.4343	114.3354
11	HOB1	igsold	-42.8040	147.4399
11	HOLC	igsold	34.4582	-117.8452
11	HOLP	igs	33.9245	-118.1682
11	HRAG	igs	-25.8904	27.6852
11	HRM1	igsold	51.4537	-1.2839
11	HRM2	igsold	51.4537	-1.2839
11	HUEG	igs	47.8339	7.5962
11	IAVH	igsold	33.9763	-6.8667
11	IENG	igs	45.0151	7.6394
11	IGM0	igsold	-34.5722	-58.4394
11	INEG	igs	21.8562	-102.2842
11	ISHI	igs	36.2088	140.2190
11	ISTA	igs	41.1044	29.0193
11	IZMI	igs	38.3948	27.0818
11	JAB1	igsold	-12.6589	132.8939
11	JAMA	igsold	17.9390	-76.7809
11	JCTW	igs	-33.9514	18.4686
11	JNAV	igs	21.0046	105.8439
11	JPRE	igs	-25.7320	28.2826
11	KGN0	igsold	35.7068	139.4885
11	KHAR	igs	50.0051	36.2390
11	KIR8	igs	67.8775	21.0602
11	KODK	igsold	57.7351	-152.5014
11	KOS1	igs	52.1734	5.8182
11	KOU1	igsold	5.2522	-52.8060
11	KROG	igsold	67.8776	21.0602

11	LAE1	igs	-6.6737	146.9932
11	LBCH	igs	33.7878	-118.2033
11	LCK3	igs	26.9122	80.9556
11	LCKI	igsold	26.9124	80.9559
11	LEEP	sonel	34.1346	-118.3218
11	LEIJ	igs	51.3540	12.3741
11	LHUE	igsold	21.9846	-159.3392
11	LIND	igsold	47.0003	-120.5385
11	LLAG	igs	28.4817	-16.3207
11	LONG	unavco	34.1119	-118.0034
11	MOSE	igs	41.8931	12.4933
11	MAD2	igs	40.4292	-4.2497
11	MANZ	igsold	19.0639	-104.2981
11	MAR7	igs	60.5951	17.2584
11	MASP	igsold	27.7638	-15.6330
11	MATG	igs	40.6490	16.7047
11	MATH	igsold	33.8567	-117.4368
11	MAYG	igs	-12.7821	45.2582
11	MERS	igs	36.5664	34.2559
11	MET3	igs	60.2175	24.3945
11	MFKG	igs	-25.8050	25.5400
11	MIKL	igs	46.9728	31.9728
11	MOBJ	igs	55.1149	36.5697
11	MOBK	igs	55.1149	36.5697
11	MOBN	igs	55.1149	36.5695
11	MOIN	igsold	6.7220	-83.0267
11	MORP	igs	55.2128	-1.6855
11	MR6G	igsold	60.5951	17.2585
11	MRL1	igs	-41.5762	173.7408
11	MRL2	igs	-41.5762	173.7408
11	MSKU	igsold	-1.6312	13.5520
11	MTBG	igsold	47.7379	16.4042
11	MTKA	igs	35.6795	139.5614
11	MTV1	igs	-34.9136	-56.1763
11	MTV2	igs	-34.9136	-56.1763
11	NCKU	igs	22.9967	120.2226
11	NOTO	igsold	36.8761	14.9898
11	NOVJ	igsold	55.0299	82.9091
11	NOVM	igs	55.0305	82.9095
11	NPLD	igsold	51.4210	-0.3396
11	NRC2	igsold	45.4542	-75.6238
11	NRL1	igs	38.8207	-77.0244
11	NYA2	igs	78.9303	11.8586
11	OAK1	igs	51.1176	-0.9051
11	OAK2	igs	51.1176	-0.9051
11	OAT2	igsold	34.3299	-118.6014
11	OATT	igsold	34.3301	-118.6012
11	OBE2	igsold	48.0861	11.2796
11	OBE4	igs	48.0848	11.2779
11	OBER	igsold	48.0861	11.2796
11	OBET	igsold	48.0843	11.2776
11	OHIZ	igsold	-63.3207	-57.9003
11	ONS1	igs	57.3953	11.9245
11	OP71	igs	48.8359	2.3350
11	OPMT	igs	48.8359	2.3349
11	ORID	igs	41.1273	20.7940
11	OSOG	igsold	57.3953	11.9255
11	OSJE	igsold	45.5608	18.6805

11	OSN2	igsold	37.0776	127.0240
11	OSN3	igs	37.0827	127.0336
11	OSN4	igs	37.0827	127.0336
11	PADO	igs	45.4112	11.8961
11	PALM	igs	-64.7751	-64.0511
11	PALV	igsold	-64.7751	-64.0511
11	PAMA	igsold	-17.5667	-149.5744
11	PBR2	igsold	11.6378	92.7122
11	PEN2	igs	47.7897	19.2817
11	PETR	igsold	53.0667	158.6070
11	PIN1	igs	33.6122	-116.4582
11	PIN2	ucsd	33.6121	-116.4576
11	PPPC	igs	9.7729	118.7402
11	PRE1	igsold	-25.7463	28.2240
11	PRE2	igsold	-25.7463	28.2240
11	PRE3	igs	-25.7465	28.2240
11	PRE4	igs	-25.7465	28.2240
11	PTBB	igs	52.2962	10.4597
11	PVEP	igsold	33.7433	-118.4042
11	QUI1	igsold	-0.2152	-78.4936
11	QUI2	igsold	-0.2152	-78.4936
11	QUI3	igs	-0.2152	-78.4936
11	QUI4	igs	-0.2152	-78.4936
11	RAEG	igs	36.9857	-25.1264
11	RBAY	igs	-28.7955	32.0784
11	RDSO	igs	18.4614	-69.9113
11	REYZ	igsold	64.1388	-21.9555
11	RGDG	igs	-53.7858	-67.7515
11	RIOP	igs	-1.6506	-78.6511
11	ROAG	igs	36.4634	-6.2063
11	ROAP	igsold	36.4643	-6.2063
11	ROCH	igsold	33.6110	-116.6098
11	ROCK	igs	34.2357	-118.6764
11	SACH	igsold	71.9903	-125.2499
11	SASS	igsold	54.5136	13.6433
11	SCIP	igs	32.9144	-118.4879
11	SCTB	igs	-77.8490	166.7580
11	SELE	igsold	43.1787	77.0169
11	SEME	igs	50.4327	80.2659
11	SFDM	igs	34.4598	-118.7545
11	SGPO	igs	36.6042	-97.4848
11	SHE2	igs	46.2207	-64.5520
11	SIMO	igsold	-34.1879	18.4396
11	SIN1	igs	1.3430	103.6794
11	SIO1	igsold	32.8678	-117.2523
11	SIO2	igsold	32.8675	-117.2524
11	SIO3	igsold	32.8647	-117.2504
11	SIO4	igsold	32.8675	-117.2525
11	SLOR	igsold	13.4239	-87.4365
11	SNI1	igs	33.2479	-119.5244
11	SOD3	igs	67.4208	26.3893
11	SOL1	igsold	38.3189	-76.4539
11	SPK1	igs	34.0593	-118.6462
11	SPTU	igs	-21.9291	-50.4924
11	SSIA	igs	13.6973	-89.1162
11	STFU	igs	37.4269	-122.1733
11	SUNM	igsold	-27.4849	153.0353
11	SUTV	igsold	-32.3802	20.8105

11	SUVA	igsold	-18.1459	178.4253
11	TAH2	igsold	-17.5770	-149.6062
11	TAIW	igsold	25.0213	121.5365
11	TANA	igs	11.5691	37.3291
11	TEGU	igsold	14.0905	-87.2053
11	TGCV	igsold	16.7548	-22.9828
11	THU1	igsold	76.5373	-68.7880
11	TID2	igsold	-35.3992	148.9800
11	TIT2	igs	51.0352	6.4316
11	TITZ	igsold	51.0353	6.4316
11	TIXJ	igsold	71.6345	128.8664
11	TOPL	igs	-10.1711	-48.3307
11	TRAK	igs	33.6179	-117.8034
11	TSK2	igs	36.1056	140.0871
11	TUKT	igsold	69.4382	-132.9943
11	TWTF	igs	24.9536	121.1645
11	UCAL	igs	51.0800	-114.1339
11	UCLP	igs	34.0691	-118.4419
11	UCLU	igs	48.9256	-125.5416
11	UNB1	igsold	45.9502	-66.6417
11	UNB3	igs	45.9502	-66.6417
11	UNBD	igs	45.9501	-66.6415
11	UNBN	igs	45.9502	-66.6417
11	UNFE	igsold	44.8330	11.5995
11	UNX2	igs	-33.9178	151.2319
11	UNX3	igs	-33.9178	151.2319
11	UPAD	epn	45.4067	11.8779
11	URAL	igs	56.8383	60.6149
11	USC1	unavco	34.0240	-118.2851
11	USN1	igsold	38.9205	-77.0663
11	USN7	igs	38.9206	-77.0663
11	USN8	igs	38.9206	-77.0663
11	USN9	igs	38.9206	-77.0663
11	USNA	igsold	38.9833	-76.4794
11	UTQI	igs	71.3228	-156.6150
11	VALD	igs	48.0971	-77.5642
11	VENE	igsold	45.4370	12.3320
11	VILL	igs	40.4436	-3.9520
11	VS0G	igsold	57.6539	18.3673
11	WAB2	igs	46.9238	7.4643
11	WDC3	igsold	38.9206	-77.0663
11	WDC4	igsold	38.9206	-77.0663
11	WDC5	igs	38.9206	-77.0663
11	WDC6	igs	38.9206	-77.0663
11	WEL1	igsold	-41.2726	174.7787
11	WEL2	igsold	-41.2726	174.7787
11	WETT	igsold	49.1442	12.8788
11	WHC1	igs	33.9799	-118.0312
11	WHI1	igsold	33.9738	-118.0345
11	WIDC	igs	33.9348	-116.3918
11	WLSN	igs	34.2261	-118.0559
11	WSLR	igsold	50.1265	-122.9212
11	WTZ3	igs	49.1448	12.8786
11	WTZJ	igsold	49.1442	12.8789
11	WTZS	igs	49.1448	12.8786
11	WTZT	igsold	49.1442	12.8789
11	WUH2	igs	30.5316	114.3573
11	XIAN	igsold	34.3687	109.2215

11	YAKA	igsold	62.0310	129.6810
11	YAKZ	igsold	62.0310	129.6810
11	YONS	igs	37.5411	127.0013
11	ZIM3	igs	46.8771	7.4650
11	ZIMJ	igs	46.8771	7.4651
11	ZIMZ	igsold	46.8771	7.4651
11	ZWE2	igs	55.6996	36.7580
11	ZWEN	igsold	55.6996	36.7580