

20200125_PSP4_ConsensusTarget

date	date	time	Tx(GONG)	Ty(GONG)	Tx(HMI)
2020-01-01	2020-01-01	00:00:00	-803.1441396559	-461.5146428321	-701.379110656
2020-01-02	2020-01-02	00:00:00	-744.5241578994	-458.1344717374	-464.2007553948
2020-01-03	2020-01-03	00:00:00	-681.6849905306	-473.4943758373	-434.9540758161
2020-01-04	2020-01-04	00:00:00	-587.2854156098	-461.8584746429	-594.1991570664
2020-01-05	2020-01-05	00:00:00	-452.7231005216	-458.3169827008	-809.0956443048
2020-01-06	2020-01-06	00:00:00	-531.426464645	-718.7197046927	-807.2405325458
2020-01-07	2020-01-07	00:00:00	-488.0367628168	-734.0760608692	-780.5868922721
2020-01-08	2020-01-08	00:00:00	-535.8664778573	-706.0191028167	-726.5876415351
2020-01-09	2020-01-09	00:00:00	-448.2945252082	-723.8122552498	-636.2488136685
2020-01-10	2020-01-10	00:00:00	-354.8152776393	-824.2335280868	-513.9508006801
2020-01-11	2020-01-11	00:00:00	-436.9951391097	-839.7800828285	-384.980082029
2020-01-12	2020-01-12	00:00:00	-855.6451264471	-372.1499519652	-850.8885888986
2020-01-13	2020-01-13	00:00:00	-2152.5584005059	192.3700073775	-816.2665389492
2020-01-14	2020-01-14	00:00:00	-515.2951522477	828.699882909	-785.1619699644
2020-01-15	2020-01-15	00:00:00	-491.1849748809	828.0090554647	-690.440733193
2020-01-16	2020-01-16	00:00:00	-503.4543710111	829.4590931379	-537.3885118735
2020-01-17	2020-01-17	00:00:00	-545.8277658138	780.8748859496	-506.6192746942
2020-01-18	2020-01-18	00:00:00	-706.1649237874	615.4036008178	-536.2305486379
2020-01-19	2020-01-19	00:00:00	-646.2482317809	606.9513160223	-362.886402946
2020-01-20	2020-01-20	00:00:00	-477.260122407	796.3887282095	-539.0398022339
2020-01-21	2020-01-21	00:00:00	-531.4170745662	730.2236401621	-561.0326063442
2020-01-22	2020-01-22	00:00:00	-408.4273852294	760.1931774388	-394.9661477217
2020-01-23	2020-01-23	00:00:00	-268.3196014005	873.6357410777	-330.4446170365
2020-01-24	2020-01-24	00:00:00	-243.1577847281	907.6587526269	-355.1325222861
2020-01-25	2020-01-25	00:00:00	-295.8468144983	-831.3717789769	-348.6743943978
2020-01-26	2020-01-26	00:00:00	-295.8468144983	-831.3717789769	-279.3908274763
2020-01-27	2020-01-27	00:00:00	-211.0041951616	-825.2904735389	-174.8118432444
2020-01-28	2020-01-28	00:00:00	-83.2361542457	-819.6532470788	-34.8491067493
2020-01-29	2020-01-29	00:00:00	70.944977057	-830.8374956685	196.3218520247
2020-01-30	2020-01-30	00:00:00	628.0634715591	729.5487812848	415.0186060132
2020-01-31	2020-01-31	00:00:00	722.5511562656	662.9589706091	641.5548946172
2020-02-01	2020-02-01	00:00:00	nan	nan	628.513416194
2020-02-02	2020-02-02	00:00:00	nan	nan	nan
2020-02-03	2020-02-03	00:00:00	nan	nan	nan
2020-02-04	2020-02-04	00:00:00	nan	nan	nan
2020-02-05	2020-02-05	00:00:00	nan	nan	nan
2020-02-06	2020-02-06	00:00:00	nan	nan	nan
2020-02-07	2020-02-07	00:00:00	nan	nan	nan
2020-02-08	2020-02-08	00:00:00	nan	nan	nan
2020-02-09	2020-02-09	00:00:00	nan	nan	nan
2020-02-10	2020-02-10	00:00:00	nan	nan	nan
2020-02-11	2020-02-11	00:00:00	nan	nan	nan
2020-02-12	2020-02-12	00:00:00	nan	nan	nan
2020-02-13	2020-02-13	00:00:00	nan	nan	nan
2020-02-14	2020-02-14	00:00:00	nan	nan	nan
2020-02-15	2020-02-15	00:00:00	nan	nan	nan
2020-02-16	2020-02-16	00:00:00	nan	nan	nan
2020-02-17	2020-02-17	00:00:00	nan	nan	nan

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2020-02-18	2020-02-18	00:00:00	nan	nan	nan
2020-02-19	2020-02-19	00:00:00	nan	nan	nan
2020-02-20	2020-02-20	00:00:00	nan	nan	nan
2020-02-21	2020-02-21	00:00:00	nan	nan	nan
2020-02-22	2020-02-22	00:00:00	nan	nan	nan
2020-02-23	2020-02-23	00:00:00	nan	nan	nan
2020-02-24	2020-02-24	00:00:00	nan	nan	nan
2020-02-25	2020-02-25	00:00:00	nan	nan	nan
2020-02-26	2020-02-26	00:00:00	nan	nan	nan
2020-02-27	2020-02-27	00:00:00	nan	nan	nan

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Ty(HMI)	lon(GONG)	lat(GONG)	elon(GONG)	elat(GONG)	lon(HMI)
461.6418605565	1.440064933	-29.1046313201	10	10	17.7579605556
817.5253288033	357.226122319	-29.3539759439	10	10	2.9660415937
842.0721118767	350.9327174485	-30.6540534485	10	10	347.4843284357
760.6640069311	347.2219964059	-30.5231318946	10	10	319.8217627013
508.7011747324	345.8423310351	-30.6471968636	10	10	304.0809013673
453.2953245991	309.6138458383	-48.9910651022	10	10	299.0566454838
411.1564362074	299.9076840181	-50.7846041535	10	10	292.5201070061
411.3031557576	283.8646280543	-48.1502960127	10	10	285.5107471883
475.3163919771	279.718876708	-50.3452528341	10	10	278.9864793877
645.5180940765	265.5323486377	-60.1760055967	10	10	270.8959738261
784.1827013287	234.2509197908	-60.6007307973	10	10	261.2104991681
-384.1057901443	213.6444030442	-23.6376510383	10	10	213.867946106
-346.2237170198	212.5240787566	2.3338189406	10	10	209.0099848067
-360.0096776225	190.0007848599	56.0528629185	10	10	198.913829617
-401.8541651423	182.6907780914	55.9959550539	10	10	194.5821228012
-544.0909981696	162.8770749241	56.8399541637	10	10	189.9728038729
-639.1423239869	158.2878125092	50.82013233	10	10	174.7421787364
-677.780649718	142.0807042821	37.1034185953	10	10	154.4902153407
-835.9457723255	139.3832399368	35.6403544725	10	10	141.9931549664
-754.2207785363	128.9870432966	51.5542263854	10	10	116.3602195479
-680.036728114	117.886790637	44.7941284153	10	10	111.1640501561
-801.8335944306	116.6207902767	46.9640724397	10	10	103.8635599506
-825.1096333219	109.5446790562	58.5452890764	10	10	96.453689389
-823.5284089412	93.709527841	63.8139157619	10	10	80.6031762859
-802.0996384471	73.9269606128	-0.5092937291	10	10	71.2660259796
-787.2544267274	60.5525977323	-62.5863044741	10	10	68.81181879
-781.5722656681	60.4379041467	-62.6528335801	10	10	68.5265186995
-787.0594517186	64.9134325083	-62.0306356679	10	10	71.3371383903
-806.2813201749	71.46268921	-63.4985251913	10	10	86.1793681886
-795.8795191745	116.1908831686	46.0401927845	10	10	102.3412662131
-705.6014919152	116.8226977321	41.8267825965	10	10	111.9400649045
-748.6992829847	123.0171980713	49.8267598265	10	10	114.6854017299
nan	128.0381225135	51.6275299591	10	10	116.1547217534
nan	126.6581845004	51.9510864123	10	10	115.1212375261
nan	118.8446680193	47.1970229172	10	10	112.6591031298
nan	117.8141545463	43.9290737094	10	10	111.3812153843
nan	116.9673423305	45.2559592653	10	10	111.6714596194
nan	117.6352474914	53.2899508797	10	10	101.6529375757
nan	107.1416757766	59.8146026321	10	10	90.7366277597
nan	91.0029765246	63.35170561	10	10	74.9697587642
nan	69.3270980148	0.1913257624	10	10	69.71179935
nan	47.9773157222	-62.1278163912	10	10	45.2932778674
nan	34.3920490892	-60.3220291171	10	10	36.2402611631
nan	21.7840513289	-55.8764796507	10	10	31.5749760647
nan	0.3213582647	-32.728907087	10	10	18.5086310078
nan	1.1130332745	-29.3053514754	10	10	17.7275585022
nan	358.3497664663	-29.4763895567	10	10	4.4916790678
nan	352.2924229667	-31.0420975275	10	10	354.3059862495

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nan	349.0063212509	-31.0866255041	10	10	331.4332470928
nan	346.6200679693	-30.2936982831	10	10	314.1027091458
nan	345.9804235053	-31.4572578224	10	10	303.1645751627
nan	309.6045558998	-49.2794871521	10	10	299.1450572342
nan	302.784211388	-50.2050366202	10	10	293.6115531433
nan	287.5971713818	-49.9355071781	10	10	287.9845364894
nan	281.5975819706	-47.8071039952	10	10	282.0741527198
nan	275.029508844	-55.6049059943	10	10	274.1303382433
nan	256.7606429128	-61.4168900108	10	10	267.2425862616
nan	225.8890288188	-57.5580394399	10	10	257.1834611046

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lat(HMI)	elon(HMI)	elat(HMI)
26.3846358044	10	10
54.6289045523	10	10
57.9351701533	10	10
50.1439281936	10	10
30.5138950468	10	10
26.0417313617	10	10
22.8527163879	10	10
22.5228990788	10	10
26.4168589182	10	10
37.9903069808	10	10
50.1798683265	10	10
-24.3776985212	10	10
-22.5223267802	10	10
-23.6825860454	10	10
-26.9198621416	10	10
-37.0657362789	10	10
-43.7939880499	10	10
-46.5863730518	10	10
-61.8629985462	10	10
-52.4965674482	10	10
-46.7122555224	10	10
-58.4554309768	10	10
-61.3266036359	10	10
-60.6284108448	10	10
-58.9437592036	10	10
-58.2446354911	10	10
-58.3858285737	10	10
-59.0995272032	10	10
-60.5799010307	10	10
-58.1187647323	10	10
-47.6805246407	10	10
-50.035395813	10	10
-51.7110588724	10	10
-50.4884533539	10	10
-47.5869658878	10	10
-47.0031361805	10	10
-47.8190046325	10	10
-57.8452014134	10	10
-60.8702822851	10	10
-61.1324462782	10	10
0.6317973749	10	10
57.4032202268	10	10
54.958808172	10	10
41.5339810975	10	10
26.6469303624	10	10
26.4244994383	10	10
54.4753450805	10	10
55.5625830725	10	10

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57.7719111348	10	10
48.0296394416	10	10
29.1880365669	10	10
25.8801632415	10	10
23.0385151547	10	10
21.6693501761	10	10
24.3735857973	10	10
28.5810489125	10	10
41.3953289333	10	10
52.9642676834	10	10