

22 Jun 2016 13:27:17

Target-Roodeplaat_South_Africa-To-Satellite-SENTINEL-3A_41335: Inview Azimuth, Elevation, & Range

Roodeplaat_South_Africa-To-SENTINEL-3A_41335 - AER reported in the object's default AER frame

	Time (UTCg)	Azimuth (deg)	Elevation (deg)	Range (km)
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	5 Jun 2016 07:41:51.855	47.385	65.001	884.966540
	5 Jun 2016 07:42:51.000	136.889	73.097	845.445230
	5 Jun 2016 07:43:14.768	160.494	65.000	886.971371
Min Elevation	5 Jun 2016 07:43:14.768	160.494	65.000	886.971371
Max Elevation	5 Jun 2016 07:42:33.321	104.060	75.717	835.600269
Mean Elevation			67.699	
Min Range	5 Jun 2016 07:42:32.885	103.146	75.716	835.594521
Max Range	5 Jun 2016 07:43:14.768	160.494	65.000	886.971371
Mean Range				872.461047
	Time (UTCg)	Azimuth (deg)	Elevation (deg)	Range (km)
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	8 Jun 2016 20:27:01.851	186.645	65.000	887.064382
	8 Jun 2016 20:28:01.000	292.406	78.839	826.269344
	8 Jun 2016 20:28:35.067	326.103	65.001	884.811521
Min Elevation	8 Jun 2016 20:27:01.851	186.645	65.000	887.064382
Max Elevation	8 Jun 2016 20:27:48.518	256.370	80.943	821.782302
Mean Elevation			69.613	
Min Range	8 Jun 2016 20:27:48.887	257.600	80.941	821.778131
Max Range	8 Jun 2016 20:27:01.851	186.645	65.000	887.064382
Mean Range				866.048416
	Time (UTCg)	Azimuth (deg)	Elevation (deg)	Range (km)
	-----	-----	-----	-----
	9 Jun 2016 07:38:24.743	69.879	65.001	885.414943
	9 Jun 2016 07:38:52.867	104.388	69.052	863.270554
	9 Jun 2016 07:39:20.992	138.836	65.000	886.772849
Min Elevation	9 Jun 2016 07:39:20.992	138.836	65.000	886.772849

6 07:38:24.743	69.879	65.001	885.414943		
	9 Jun 2016 07:38:52.867	104.388	69.052	863.270554	
	9 Jun 2016 07:39:20.992	138.836	65.000	886.772849	
Min Elevation	9 Jun 2016 07:39:20.992	138.836	65.000	886.772849	
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	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)	
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Max Elevation	9 Jun 2016 07:38:52.845	104.357	69.052	863.270012	
Mean Elevation			66.351		
Min Range	9 Jun 2016 07:38:52.443	103.794	69.051	863.265286	
Max Range	9 Jun 2016 07:39:20.992	138.836	65.000	886.772849	
Mean Range				878.486115	
	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)	
	-----	-----	-----	-----	
	12 Jun 2016 08:00:32.693	316.098	65.000	884.950722	
	12 Jun 2016 08:01:00.614	281.851	68.968	863.238599	
	12 Jun 2016 08:01:28.536	247.664	65.000	886.305952	
Min Elevation	12 Jun 2016 08:01:28.536	247.664	65.000	886.305952	
Max Elevation	12 Jun 2016 08:01:00.614	281.851	68.968	863.238599	
Mean Elevation			66.323		
Min Range	12 Jun 2016 08:01:00.184	282.451	68.967	863.233220	
Max Range	12 Jun 2016 08:01:28.536	247.664	65.000	886.305952	
Mean Range				878.165091	
	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)	
	-----	-----	-----	-----	
	12 Jun 2016 20:23:18.197	170.933	65.000	886.980517	
	12 Jun 2016 20:24:18.000	327.725	84.285	815.924708	
	12 Jun 2016 20:24:57.296	342.643	65.000	884.587866	
Min Elevation	12 Jun 2016 20:24:57.296	342.643	65.000	884.587866	
Max Elevation	12 Jun 2016 20:24:07.814	256.785	88.131	812.941258	
Mean Elevation			71.429		
Min Range	12 Jun 2016 20:24:08.175	262.650	88.121	812.937211	
Max Range	12 Jun 2016 20:23:18.197	170.933	65.000	886.980517	
Mean Range				862.497697	

		71.429			
Min Range	12 Jun 2016 20:24:08.175	262.650	88.121	812.937211	
Max Range	12 Jun 2016 20:23:18.197	170.933	65.000	886.980517	
Mean Range				862.497697	

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	16 Jun 2016 07:56:38.080	338.929	65.001	884.916706
	16 Jun 2016 07:57:38.000	248.289	72.886	846.259829
	16 Jun 2016 07:58:01.071	225.644	65.000	886.937086

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	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	-----	-----	-----	-----
Min Elevation	16 Jun 2016 07:58:01.071	225.644	65.000	886.937198
Max Elevation	16 Jun 2016 07:57:19.585	282.166	75.695	835.633636
Mean Elevation			67.629	
Min Range	16 Jun 2016 07:57:19.143	283.091	75.694	835.627747
Max Range	16 Jun 2016 07:58:01.071	225.644	65.000	886.937198
Mean Range				872.704541

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	16 Jun 2016 20:19:38.261	155.508	65.000	886.840857
	16 Jun 2016 20:20:38.000	29.782	82.073	819.127708
	16 Jun 2016 20:21:15.539	358.891	65.001	884.466736

Min Elevation	16 Jun 2016 20:19:38.261	155.508	65.000	886.840857
Max Elevation	16 Jun 2016 20:20:26.967	77.197	84.618	815.626609
Mean Elevation			70.691	
Min Range	16 Jun 2016 20:20:27.334	75.124	84.615	815.622445
Max Range	16 Jun 2016 20:19:38.261	155.508	65.000	886.840857
Mean Range				863.478434

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	20 Jun 2016 07:52:50.533	356.800	65.000	884.514337
	20 Jun 2016 07:53:50.000	242.030	80.483	822.768357
	20 Jun 2016 07:54:26.074	208.593	65.001	886.850594

ge (km)

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	20 Jun 2016 07:52:50.533	356.800	65.000	884.514337
	20 Jun 2016 07:53:50.000	242.030	80.483	822.768357
	20 Jun 2016 07:54:26.074	208.593	65.001	886.850594
Min Elevation	20 Jun 2016 07:52:50.533	356.800	65.000	884.514337
Max Elevation	20 Jun 2016 07:53:38.241	282.699	82.756	818.257061
Mean Elevation			70.162	
Min Range	20 Jun 2016 07:53:37.869	284.255	82.753	818.252806
Max Range	20 Jun 2016 07:54:26.074	208.593	65.001	886.850594
Mean Range				864.711096

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	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	20 Jun 2016 20:16:02.113	139.010	65.000	886.953482
	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	-----	-----	-----	-----
	20 Jun 2016 20:17:02.000	43.379	74.965	837.677583
	20 Jun 2016 20:17:29.351	16.205	65.001	884.824653
Min Elevation	20 Jun 2016 20:16:02.113	139.010	65.000	886.953482
Max Elevation	20 Jun 2016 20:16:45.786	77.606	77.489	830.119234
Mean Elevation			68.322	
Min Range	20 Jun 2016 20:16:46.167	76.692	77.487	830.114853
Max Range	20 Jun 2016 20:16:02.113	139.010	65.000	886.953482
Mean Range				869.818573

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	24 Jun 2016 07:49:07.635	13.161	65.000	884.747198
	24 Jun 2016 07:50:07.000	193.261	84.835	815.867217
	24 Jun 2016 07:50:47.014	193.049	65.000	887.152019
Min Elevation	24 Jun 2016 07:50:47.014	193.049	65.000	887.152019
Max Elevation	24 Jun 2016 07:49:57.256	283.163	89.985	812.711193
Mean Elevation			71.612	
Min Range	24 Jun 2016 07:49:56.895	8.550	89.807	812.707135
Max Range	24 Jun 2016 07:50:47.014	193.049	65.000	887.152019

Elevation	24 Jun 2016 07:49:57.256	283.163	89.985	812.711193
Mean Elevation			71.612	
Min Range	24 Jun 2016 07:49:56.895	8.550	89.807	812.707135
Max Range	24 Jun 2016 07:50:47.014	193.049	65.000	887.152019
Mean Range				862.588812

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	-----	-----	-----	-----
	24 Jun 2016 20:12:31.968	119.002	65.000	886.436592
	24 Jun 2016 20:13:31.000	42.816	66.723	874.698838
	24 Jun 2016 20:13:37.107	37.028	65.000	884.844001
Min Elevation	24 Jun 2016 20:12:31.968	119.002	65.000	886.436592
Max Elevation	24 Jun 2016 20:13:04.571	78.010	70.675	855.021072
Mean Elevation			65.574	
Min Range	24 Jun 2016 20:13:04.966	77.406	70.674	855.016348
Max Range	24 Jun 2016 20:12:31.968	119.002	65.000	886.436592
Mean Range				881.993144

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	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	-----	-----	-----	-----
	27 Jun 2016 20:34:49.843	229.102	65.000	886.485240
	27 Jun 2016 20:35:11.954	255.516	67.387	871.911658
	27 Jun 2016 20:35:34.065	281.966	65.000	885.418737
Min Elevation	27 Jun 2016 20:34:49.843	229.102	65.000	886.485240
Max Elevation	27 Jun 2016 20:35:11.966	255.533	67.387	871.911338
Mean Elevation			65.796	
Min Range	27 Jun 2016 20:35:12.378	256.063	67.386	871.906452
Max Range	27 Jun 2016 20:34:49.843	229.102	65.000	886.485240
Mean Range				881.271878

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	-----	-----	-----	-----
	28 Jun 2016 07:45:28.595	29.479	65.000	885.067037
	28 Jun 2016 07:46:28.000	144.141	80.546	823.124822
	28 Jun 2016 07:47:04.170	177.557	65.001	887.353531
Min Elevation	28 Jun 2016 07:45:28.595	29.479	65.000	885.067037

	28 Jun 2016 07:45:28.595	29.479	65.000	885.067037
	28 Jun 2016 07:46:28.000	144.141	80.546	823.124822
	28 Jun 2016 07:47:04.170	177.557	65.001	887.353531
Min Elevation	28 Jun 2016 07:45:28.595	29.479	65.000	885.067037
Max Elevation	28 Jun 2016 07:46:16.322	103.518	82.803	818.675496
Mean Elevation			70.182	
Min Range	28 Jun 2016 07:46:15.959	101.991	82.800	818.671441
Max Range	28 Jun 2016 07:47:04.170	177.557	65.001	887.353531
Mean Range				865.181797

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	1 Jul 2016 20:30:52.341	204.470	65.000	886.577083
	1 Jul 2016 20:31:52.000	289.860	70.819	853.874422
	1 Jul 2016 20:32:10.053	307.435	65.001	884.692950
Min Elevation	1 Jul 2016 20:30:52.341	204.470	65.000	886.577083
Max Elevation	1 Jul 2016 20:31:31.238	255.951	73.932	841.518190
Mean Elevation			66.940	
Min Range	1 Jul 2016 20:31:31.616	256.651	73.931	841.513725
Max Range	1 Jul 2016 20:30:52.341	204.470	65.000	886.577083
Mean Range				875.048152

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	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	2 Jul 2016 07:41:53.968	47.181	65.001	885.462116
	2 Jul 2016 07:42:53.000	136.659	73.222	845.406798
	2 Jul 2016 07:43:17.120	160.686	65.000	887.442714
Min Elevation	2 Jul 2016 07:43:17.120	160.686	65.000	887.442714
Max Elevation	2 Jul 2016 07:42:35.498	103.936	75.790	835.821597
Mean Elevation			67.741	
Min Range	2 Jul 2016 07:42:35.124	103.148	75.789	835.817366
Max Range	2 Jul 2016 07:43:17.120	160.686	65.000	887.442714
Mean Range				872.770543

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	75.789	835.817366			
Max Range	2 Jul 2016 07:43:17.120	160.686	65.000	887.442714	
Mean Range				872.770543	

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	-----	-----	-----	-----
	5 Jul 2016 20:27:03.818	186.819	65.000	886.453802
	5 Jul 2016 20:28:03.000	292.458	78.738	825.940177
	5 Jul 2016 20:28:36.855	325.920	65.001	884.193816
Min Elevation	5 Jul 2016 20:27:03.818	186.819	65.000	886.453802
Max Elevation	5 Jul 2016 20:27:50.396	256.365	80.868	821.360345
Mean Elevation			69.580	
Min Range	5 Jul 2016 20:27:50.767	257.592	80.866	821.356134
Max Range	5 Jul 2016 20:27:03.818	186.819	65.000	886.453802
Mean Range				865.529265

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	6 Jul 2016 07:38:26.411	69.529	65.000	885.994591
	6 Jul 2016 07:38:54.802	104.381	69.132	863.418879
	6 Jul 2016 07:39:23.193	139.173	65.000	887.328496
Min Elevation	6 Jul 2016 07:38:26.411	69.529	65.000	885.994591
Max Elevation	6 Jul 2016 07:38:54.802	104.381	69.132	863.418879
Mean Elevation			66.378	
Min Range	6 Jul 2016 07:38:54.388	103.800	69.132	863.413884
Max Range	6 Jul 2016 07:39:23.193	139.173	65.000	887.328496
Mean Range				878.913989

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	-----	-----	-----	-----
	9 Jul 2016 08:00:34.626	315.839	65.000	885.616112
	9 Jul 2016 08:01:02.385	281.850	68.909	864.168874
	9 Jul 2016 08:01:30.145	247.918	65.000	886.932384
Min Elevation	9 Jul 2016 08:01:30.145	247.918	65.000	886.932384
Max Elevation	9 Jul 2016 08:01:02.385	281.850	68.909	864.168874
Mean Elevation			66.303	

9 Jul 2016 08:01:30.145 247.918 65.000 886.932384

Min Elevation	9 Jul 2016 08:01:30.145	247.918	65.000	886.932384
Max Elevation	9 Jul 2016 08:01:02.385	281.850	68.909	864.168874
Mean Elevation			66.303	
Min Range	9 Jul 2016 08:01:01.965	282.434	68.908	864.163737
Max Range	9 Jul 2016 08:01:30.145	247.918	65.000	886.932384
Mean Range				878.905790

Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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9 Jul 2016 20:23:19.884	171.100	65.000	886.229163
9 Jul 2016 20:24:19.000	325.807	84.566	814.889755
9 Jul 2016 20:24:58.867	342.468	65.000	883.830529

Min Elevation	9 Jul 2016 20:24:58.867	342.468	65.000	883.830529
Max Elevation	9 Jul 2016 20:24:09.443	256.781	88.052	812.273669
Mean Elevation			71.522	
Min Range	9 Jul 2016 20:24:09.805	262.430	88.043	812.269596
Max Range	9 Jul 2016 20:23:19.884	171.100	65.000	886.229163
Mean Range				861.649816

Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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13 Jul 2016 07:56:39.789	338.703	65.001	885.411311
13 Jul 2016 07:57:39.000	249.366	72.993	846.242197
13 Jul 2016 07:58:02.616	225.863	65.000	887.355248

Min Elevation	13 Jul 2016 07:58:02.616	225.863	65.000	887.355248
Max Elevation	13 Jul 2016 07:57:21.155	282.285	75.614	836.331735
Mean Elevation			67.665	
Min Range	13 Jul 2016 07:57:20.785	283.055	75.613	836.327605
Max Range	13 Jul 2016 07:58:02.616	225.863	65.000	887.355248
Mean Range				873.002919

Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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13 Jul 2016 20:19:39.697	155.678	65.000	885.931461
13 Jul 2016 20:20:39.000	30.413	82.278	817.940421

(UTCG)
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Azimuth (deg) Elevation (deg) Range (km)

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13 Jul 2016 20:19:39.697	155.678	65.000	885.931461
13 Jul 2016 20:20:39.000	30.413	82.278	817.940421
13 Jul 2016 20:21:16.926	358.713	65.001	883.576753

Min Elevation	13 Jul 2016 20:19:39.697	155.678	65.000	885.931461
Max Elevation	13 Jul 2016 20:20:28.378	77.192	84.696	814.696717
Mean Elevation			70.760	
Min Range	13 Jul 2016 20:20:28.742	75.106	84.692	814.692624
Max Range	13 Jul 2016 20:19:39.697	155.678	65.000	885.931461
Mean Range				862.482878

Time (UTCG) Azimuth (deg) Elevation (deg) Range (km)

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17 Jul 2016 07:52:52.342	356.568	65.000	885.348687
17 Jul 2016 07:53:52.000	241.974	80.347	823.770926
17 Jul 2016 07:54:27.867	208.814	65.001	887.551450

Min Elevation	17 Jul 2016 07:52:52.342	356.568	65.000	885.348687
Max Elevation	17 Jul 2016 07:53:40.045	282.693	82.656	819.135072
Mean Elevation			70.116	
Min Range	17 Jul 2016 07:53:39.694	284.142	82.654	819.131280
Max Range	17 Jul 2016 07:54:27.867	208.814	65.001	887.551450
Mean Range				865.557021

Time (UTCG) Azimuth (deg) Elevation (deg) Range (km)

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17 Jul 2016 20:16:03.522	139.212	65.000	885.561649
17 Jul 2016 20:17:03.000	43.848	75.140	835.778675
17 Jul 2016 20:17:30.778	15.996	65.001	883.458434

Min Elevation	17 Jul 2016 20:16:03.522	139.212	65.000	885.561649
Max Elevation	17 Jul 2016 20:16:47.204	77.602	77.568	828.589800
Mean Elevation			68.380	
Min Range	17 Jul 2016 20:16:47.578	76.694	77.567	828.585537
Max Range	17 Jul 2016 20:16:03.522	139.212	65.000	885.561649
Mean Range				868.266253

68 828.589800

Mean Elevation

Min Range 17 Jul 2016 20:16:47.578

76.694

68.380

77.567

828.585537

Max Range 17 Jul 2016 20:16:03.522

139.212

65.000

885.561649

Mean Range

868.266253

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Time (UTCG)

Azimuth (deg)

Elevation (deg)

Range (km)

21 Jul 2016 07:49:09.376

12.921

65.000

885.344564

21 Jul 2016 07:50:09.000

194.422

84.719

816.487357

21 Jul 2016 07:50:48.821

193.278

65.000

887.616741

Min Elevation

21 Jul 2016 07:50:48.821

193.278

65.000

887.616741

Max Elevation

21 Jul 2016 07:49:59.034

283.016

89.877

813.206001

Mean Elevation

71.573

Min Range

21 Jul 2016 07:49:58.692

338.889

89.780

813.202372

Max Range

21 Jul 2016 07:50:48.821

193.278

65.000

887.616741

Mean Range

863.149554

Time (UTCG)

Azimuth (deg)

Elevation (deg)

Range (km)

21 Jul 2016 20:12:33.231

119.222

65.000

885.092413

21 Jul 2016 20:13:33.000

42.017

66.586

874.162830

21 Jul 2016 20:13:38.554

36.798

65.001

883.522913

Min Elevation

21 Jul 2016 20:12:33.231

119.222

65.000

885.092413

Max Elevation

21 Jul 2016 20:13:05.925

78.005

70.737

853.446733

Mean Elevation

65.529

Min Range

21 Jul 2016 20:13:06.313

77.411

70.736

853.442197

Max Range

21 Jul 2016 20:12:33.231

119.222

65.000

885.092413

Mean Range

880.926052

Time (UTCG)

Azimuth (deg)

Elevation (deg)

Range (km)

24 Jul 2016 20:34:51.652

229.700

65.000

885.198138

24 Jul 2016 20:35:13.261

255.515

67.280

871.259824

24 Jul 2016 20:35:34.869

281.362

65.000

884.183010

Min Elevation

24 Jul 2016 20:34:51.652

229.700

65.000

885.198138

8138

	24 Jul 2016 20:35:13.261	255.515	67.280	871.259824
	24 Jul 2016 20:35:34.869	281.362	65.000	884.183010
Min Elevation	24 Jul 2016 20:34:51.652	229.700	65.000	885.198138
Max Elevation	24 Jul 2016 20:35:13.272	255.529	67.280	871.259549
Mean Elevation			65.760	
Min Range	24 Jul 2016 20:35:13.673	256.044	67.279	871.254900
Max Range	24 Jul 2016 20:34:51.652	229.700	65.000	885.198138
Mean Range				880.213657

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	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	-----	-----	-----	-----
	25 Jul 2016 07:45:30.314	29.223	65.000	885.386904
	25 Jul 2016 07:46:30.000	145.054	80.559	823.323613
	25 Jul 2016 07:47:06.036	177.798	65.001	887.540247

Min Elevation	25 Jul 2016 07:45:30.314	29.223	65.000	885.386904
Max Elevation	25 Jul 2016 07:46:18.118	103.511	82.912	818.739112
Mean Elevation			70.187	
Min Range	25 Jul 2016 07:46:17.776	102.053	82.909	818.735529
Max Range	25 Jul 2016 07:47:06.036	177.798	65.001	887.540247
Mean Range				865.416921

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	-----	-----	-----	-----
	28 Jul 2016 20:30:53.807	204.769	65.000	885.430449
	28 Jul 2016 20:31:53.000	289.403	70.795	852.931819
	28 Jul 2016 20:32:11.083	307.131	65.001	883.624454

Min Elevation	28 Jul 2016 20:30:53.807	204.769	65.000	885.430449
Max Elevation	28 Jul 2016 20:31:32.485	255.949	73.830	840.838133
Mean Elevation			66.932	
Min Range	28 Jul 2016 20:31:32.848	256.619	73.829	840.833990
Max Range	28 Jul 2016 20:30:53.807	204.769	65.000	885.430449
Mean Range				873.995574

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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7	204.769	65.000	885.430449	
Mean	Range			873.995574

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	29 Jul 2016 07:41:55.634	46.893	65.001	885.483806
	29 Jul 2016 07:42:55.000	137.147	73.252	845.235390
	29 Jul 2016 07:43:19.048	160.957	65.000	887.349220
Min Elevation	29 Jul 2016 07:43:19.048	160.957	65.000	887.349220
Max Elevation	29 Jul 2016 07:42:37.297	103.927	75.893	835.454721
Mean Elevation			67.751	
Min Range	29 Jul 2016 07:42:36.946	103.183	75.892	835.451003
Max Range	29 Jul 2016 07:43:19.048	160.957	65.000	887.349220
Mean Range				872.689472

			Time (UTCg)	Azimuth (deg)	Elevation (deg)	Range (km)
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	1	Aug	2016 20:27:05.138	187.042	65.000	885.492492
	1	Aug	2016 20:28:05.000	293.897	78.410	825.926333
	1	Aug	2016 20:28:37.932	325.692	65.001	883.340401
Min Elevation	1	Aug	2016 20:27:05.138	187.042	65.000	885.492492
Max Elevation	1	Aug	2016 20:27:51.592	256.362	80.772	820.705479
Mean Elevation					69.470	
Min Range	1	Aug	2016 20:27:51.945	257.521	80.771	820.701644
Max Range	1	Aug	2016 20:27:05.138	187.042	65.000	885.492492
Mean Range						864.919742

	Time (UTCg)	Azimuth (deg)	Elevation (deg)	Range (km)
	2 Aug 2016 07:38:27.937	69.137	65.000	885.705225
	2 Aug 2016 07:38:56.588	104.370	69.223	862.650065
	2 Aug 2016 07:39:25.239	139.545	65.000	886.970419
Min Elevation	2 Aug 2016 07:38:27.937	69.137	65.000	885.705225
Max Elevation	2 Aug 2016 07:38:56.588	104.370	69.223	862.650065
Mean Elevation			66.408	
Min Range	2 Aug 2016 07:38:56.199	103.822	69.222	862.645652

69.137	65.000	885.705225			
Max Elevation	2 Aug 2016 07:38:56.588	104.370	69.223	862.650065	
Mean Elevation			66.408		
Min Range	2 Aug 2016 07:38:56.199	103.822	69.222	862.645652	
Max Range	2 Aug 2016 07:39:25.239	139.545	65.000	886.970419	
Mean Range				878.441903	

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	5 Aug 2016 08:00:36.762	315.367	65.000	885.160889
	5 Aug 2016 08:01:04.166	281.850	68.802	864.220576
	5 Aug 2016 08:01:31.570	248.385	65.000	886.383679
Min Elevation	5 Aug 2016 08:00:36.762	315.367	65.000	885.160889
Max Elevation	5 Aug 2016 08:01:04.145	281.878	68.802	864.220121
Mean Elevation			66.268	
Min Range	5 Aug 2016 08:01:03.770	282.397	68.801	864.216035
Max Range	5 Aug 2016 08:01:31.570	248.385	65.000	886.383679
Mean Range				878.588381

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	5 Aug 2016 20:23:21.098	171.290	65.000	885.496637
	5 Aug 2016 20:24:21.000	326.569	84.113	814.826235
	5 Aug 2016 20:24:59.972	342.270	65.000	883.226790
Min Elevation	5 Aug 2016 20:24:59.972	342.270	65.000	883.226790
Max Elevation	5 Aug 2016 20:24:10.566	256.284	87.963	811.693002
Mean Elevation			71.371	
Min Range	5 Aug 2016 20:24:10.942	261.897	87.955	811.688616
Max Range	5 Aug 2016 20:23:21.098	171.290	65.000	885.496637
Mean Range				861.183221

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	9 Aug 2016 07:56:41.726	338.388	65.001	884.705120
	9 Aug 2016 07:57:41.000	249.183	72.829	846.149459
	9 Aug 2016 07:58:04.174	226.168	65.000	886.539617

	9 Aug 2016 07:56:41.726	338.388	65.001	884.705120
	9 Aug 2016 07:57:41.000	249.183	72.829	846.149459
	9 Aug 2016 07:58:04.174	226.168	65.000	886.539617
Min Elevation	9 Aug 2016 07:58:04.174	226.168	65.000	886.539728
Max Elevation	9 Aug 2016 07:57:22.905	282.280	75.502	835.980767
Mean Elevation			67.610	
Min Range	9 Aug 2016 07:57:22.554	283.005	75.501	835.977056
Max Range	9 Aug 2016 07:58:04.174	226.168	65.000	886.539728
Mean Range				872.464732

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	9 Aug 2016 20:19:40.822	155.860	65.000	885.463026
	9 Aug 2016 20:20:40.000	30.284	82.383	817.404107
	9 Aug 2016 20:21:18.067	358.520	65.001	883.243747
Min Elevation	9 Aug 2016 20:19:40.822	155.860	65.000	885.463026
Max Elevation	9 Aug 2016 20:20:29.507	77.187	84.780	814.225629
Mean Elevation			70.795	
Min Range	9 Aug 2016 20:20:29.850	75.190	84.777	814.221997
Max Range	9 Aug 2016 20:19:40.822	155.860	65.000	885.463026
Mean Range				862.036960

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	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	13 Aug 2016 07:52:54.166	356.305	65.000	884.414123
	13 Aug 2016 07:53:54.000	241.672	80.158	823.251677
	13 Aug 2016 07:54:29.448	209.064	65.001	886.512717
Min Elevation	13 Aug 2016 07:52:54.166	356.305	65.000	884.414123
Max Elevation	13 Aug 2016 07:53:41.750	282.688	82.545	818.397126
Mean Elevation			70.053	
Min Range	13 Aug 2016 07:53:41.415	284.051	82.543	818.393669
Max Range	13 Aug 2016 07:54:29.448	209.064	65.001	886.512717
Mean Range				864.726172

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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13 Aug 2016 07:53:41.415	284.051	82.543	818.393669	
Max Range	13 Aug 2016 07:54:29.448	209.064	65.001	886.512717
Mean Range				864.726172

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	13 Aug 2016 20:16:04.563	139.416	65.000	885.383553
	13 Aug 2016 20:17:04.000	43.856	75.239	835.354190
	13 Aug 2016 20:17:31.980	15.779	65.001	883.403468
Min Elevation	13 Aug 2016 20:16:04.563	139.416	65.000	885.383553
Max Elevation	13 Aug 2016 20:16:48.322	77.595	77.650	828.249699
Mean Elevation			68.413	
Min Range	13 Aug 2016 20:16:48.674	76.737	77.649	828.245938
Max Range	13 Aug 2016 20:16:04.563	139.416	65.000	885.383553
Mean Range				868.047070

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	17 Aug 2016 07:49:11.096	12.688	65.000	884.215517
	17 Aug 2016 07:50:11.000	195.453	84.523	815.630727
	17 Aug 2016 07:50:50.393	193.497	65.000	886.405296
Min Elevation	17 Aug 2016 07:50:50.393	193.497	65.000	886.405296
Max Elevation	17 Aug 2016 07:50:00.682	283.139	89.772	812.123694
Mean Elevation			71.508	
Min Range	17 Aug 2016 07:50:00.353	320.683	89.713	812.120333
Max Range	17 Aug 2016 07:50:50.393	193.497	65.000	886.405296
Mean Range				862.083847

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
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	17 Aug 2016 20:12:34.153	119.512	65.000	885.222265
	17 Aug 2016 20:13:34.000	42.015	66.684	873.810786
	17 Aug 2016 20:13:39.876	36.493	65.001	883.736437
Min Elevation	17 Aug 2016 20:12:34.153	119.512	65.000	885.222265
Max Elevation	17 Aug 2016 20:13:07.047	77.997	70.819	853.240331
Mean Elevation			65.562	

66.684 873.810786

17 Aug 2016 20:13:39.876 36.493 65.001 883.736437

Min Elevation	17 Aug 2016 20:12:34.153	119.512	65.000	885.222265
Max Elevation	17 Aug 2016 20:13:07.047	77.997	70.819	853.240331
Mean Elevation			65.562	
Min Range	17 Aug 2016 20:13:07.410	77.437	70.819	853.236335
Max Range	17 Aug 2016 20:12:34.153	119.512	65.000	885.222265
Mean Range				880.923163

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	20 Aug 2016 20:34:53.072	230.089	65.000	885.517683
	20 Aug 2016 20:35:14.386	255.515	67.212	871.990497
	20 Aug 2016 20:35:35.699	280.970	65.000	884.576972
Min Elevation	20 Aug 2016 20:35:35.699	280.970	65.000	884.576972
Max Elevation	20 Aug 2016 20:35:14.397	255.529	67.212	871.990247
Mean Elevation			65.737	
Min Range	20 Aug 2016 20:35:14.770	256.006	67.211	871.986149
Max Range	20 Aug 2016 20:34:53.072	230.089	65.000	885.517683
Mean Range				880.695050

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	21 Aug 2016 07:45:31.926	29.007	65.000	884.108333
	21 Aug 2016 07:46:31.000	144.036	80.819	821.539486
	21 Aug 2016 07:47:07.589	177.999	65.001	886.210176
Min Elevation	21 Aug 2016 07:45:31.926	29.007	65.000	884.108333
Max Elevation	21 Aug 2016 07:46:19.701	103.503	83.003	817.378586
Mean Elevation			70.274	
Min Range	21 Aug 2016 07:46:19.369	102.062	83.001	817.375179
Max Range	21 Aug 2016 07:47:07.589	177.999	65.001	886.210176
Mean Range				863.952665

	Time (UTCG)	Azimuth (deg)	Elevation (deg)	Range (km)
	24 Aug 2016 20:30:55.043	204.980	65.000	886.006546