

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 6330 - L2 Version 3
Chandra X-Ray Center

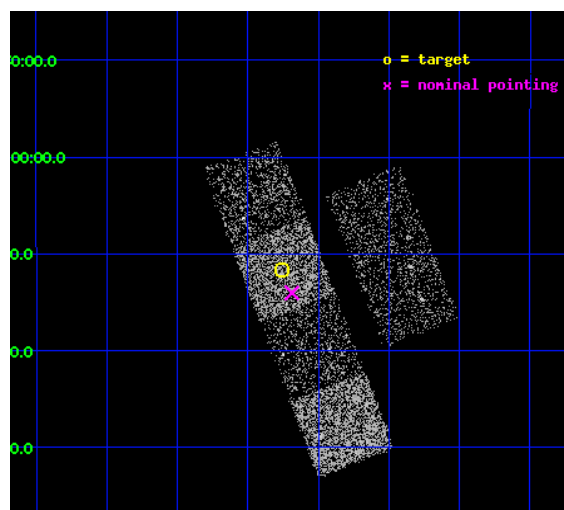
L2 Processing Date : Dec 25 2012

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1 Front

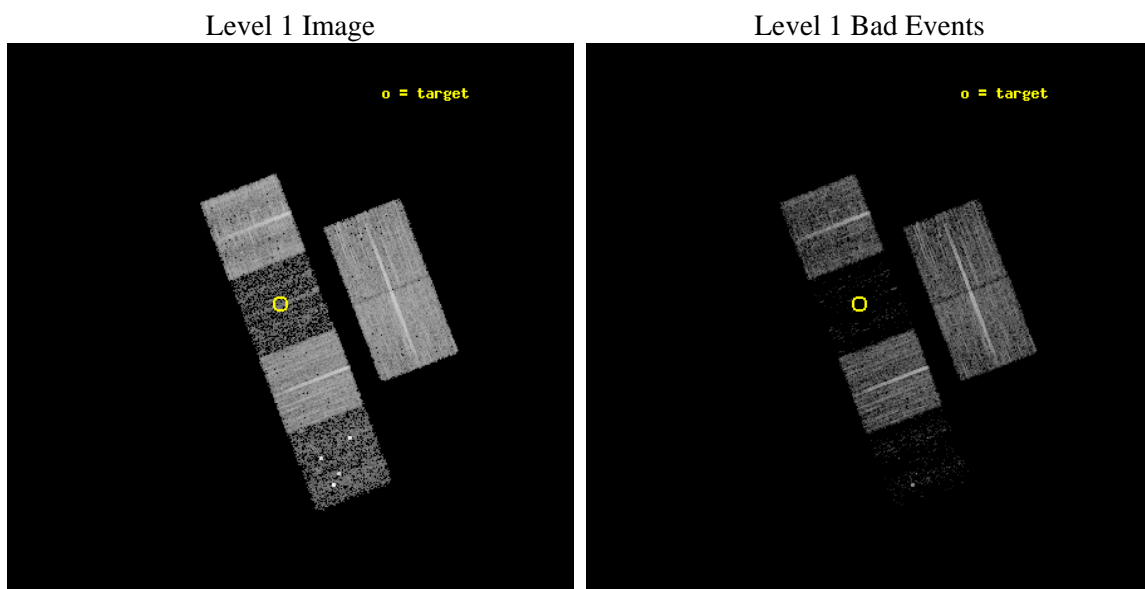
seq_num	100055	Sequence number
obs_id	6330	Observation id
title	Comet 9P/Tempel 1 During the Deep Impact Encounter	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	9P/Tempel 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	205.189068	Observer's specified target RA [deg]
dec_targ	-10.194607	Observer's specified target Dec [deg]
ra_nom	205.17186344003	Nominal RA [deg]
dec_nom	-10.234023690437	Nominal Dec [deg]
roll_nom	249.01822077703	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8076.7999699116	Sum of GTIs [s]
livetime	7974.5266654275	Livetime [s]
ontime2	8073.5589697063	Sum of GTIs [s]
ontime3	8076.7999699116	Sum of GTIs [s]
ontime5	8076.7999699116	Sum of GTIs [s]
ontime6	8076.7999699116	Sum of GTIs [s]
ontime7	8076.7999699116	Sum of GTIs [s]
ontime8	8076.7999699116	Sum of GTIs [s]
l2events	11611	Number of level 2 events



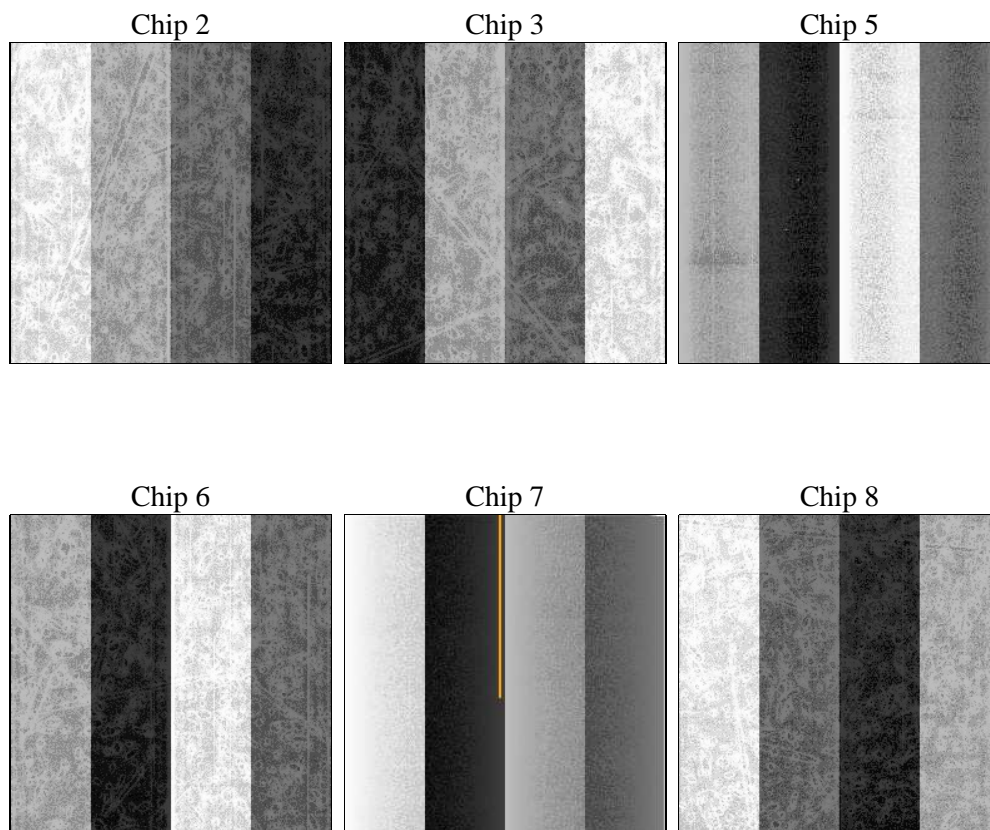
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7899.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	8076.7999699116	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	8073.5589697063	Sum of GTIs [s]
date	2012-12-25T21:20:21	Date and time of file creation	ontime3	8076.7999699116	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	8076.7999699116	Sum of GTIs [s]
			ontime6	8076.7999699116	Sum of GTIs [s]
			ontime7	8076.7999699116	Sum of GTIs [s]
			ontime8	8076.7999699116	Sum of GTIs [s]
			l1events	205439	Number of level 1 events

2.1.4 Events

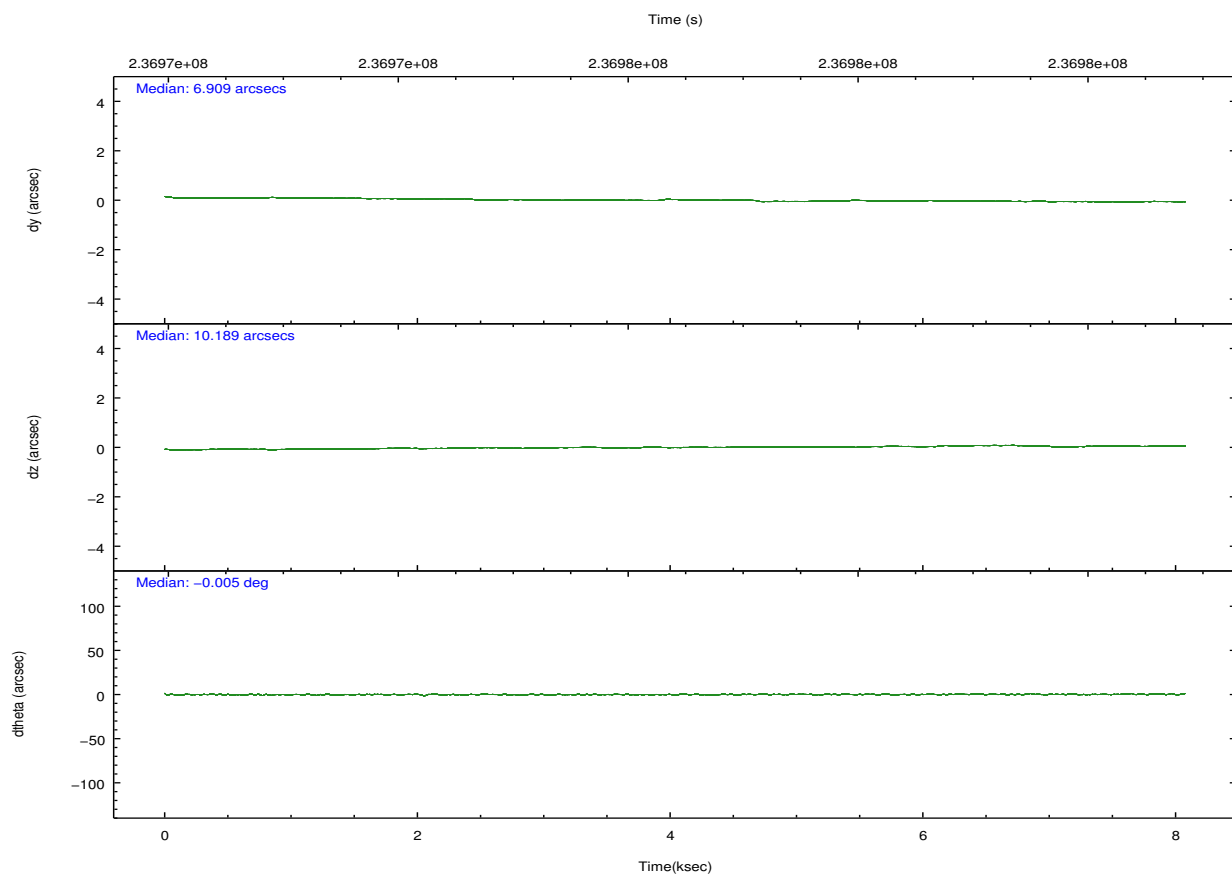
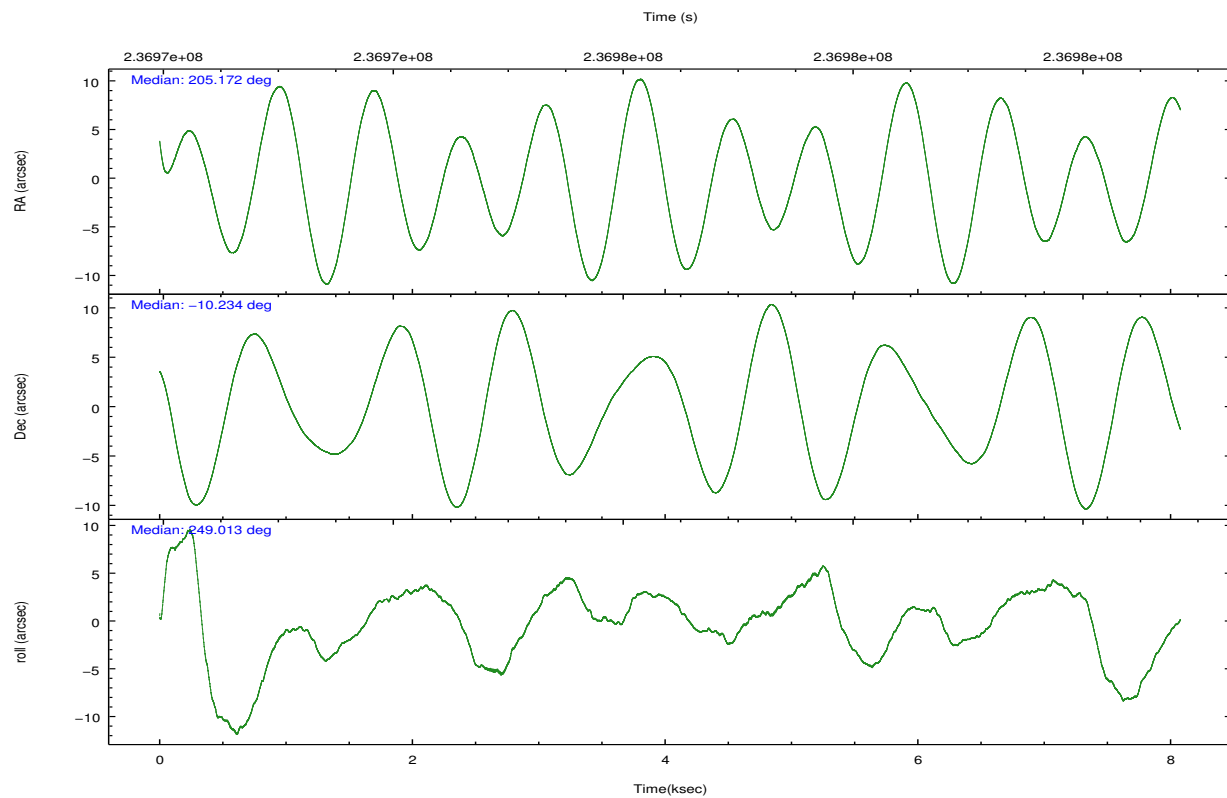
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	50084	42792	14844	43733	5890	48096
rejected events	48414	41598	4108	42153	2109	37829
rejected %	96%	97%	27%	96%	35%	78%

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	865	677	5655	922	1182	3320
	1%	1%	38%	2%	20%	6%
grade 1 events	17	9	289	19	27	26
	0%	0%	1%	0%	0%	0%
grade 2 events	411	167	4486	324	1442	2768
	0%	0%	30%	0%	24%	5%
grade 3 events	245	257	716	268	677	1337
	0%	0%	4%	0%	11%	2%
grade 4 events	284	232	687	272	640	1270
	0%	0%	4%	0%	10%	2%
grade 5 events	44	29	465	40	165	254
	0%	0%	3%	0%	2%	0%
grade 6 events	198	114	613	119	568	3452
	0%	0%	4%	0%	9%	7%
grade 7 events	48020	41307	1933	41769	1189	35669
	95%	96%	13%	95%	20%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	205.167110	205.1718634400257	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.207166	-10.23402369043698	Alternating exposures requested	N	N
[deg] Pointing Roll	248.860769	249.0182207770339	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	236966464.184000	236966464.184000			
[s] Window stop time (MET)	237031264.184000	237031264.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	236972548.184000	236970774.5406			
Observation start date	2005-07-05T17:41:24	2005-07-05T17:12:54			
[s] Observation end time (MET)	236980447.184000	236980581.22855			
Observation end date	2005-07-05T19:53:03	2005-07-05T19:56:21			
Read mode	TIMED	TIMED			

2.3 Aspect

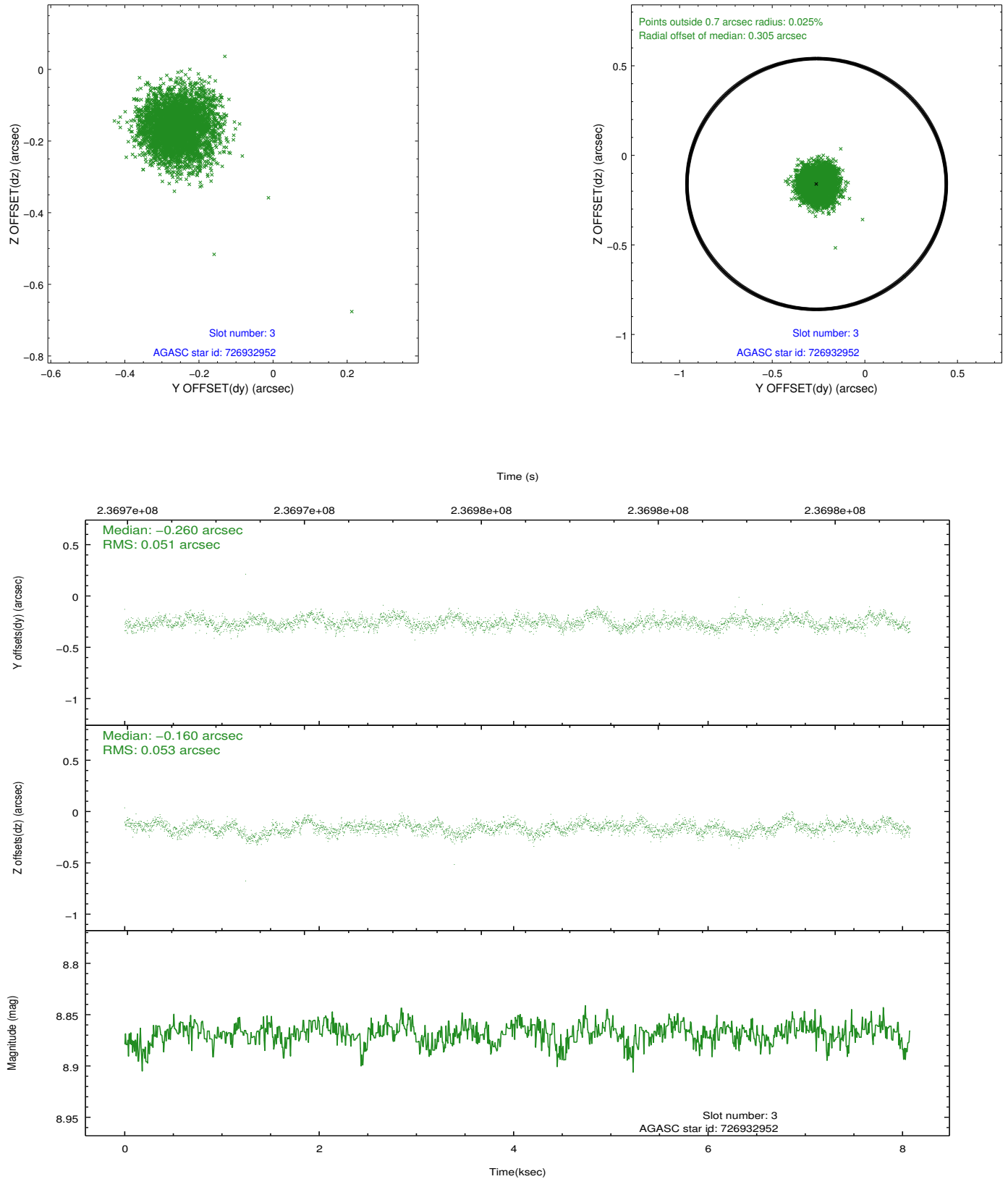


Slot Statistics

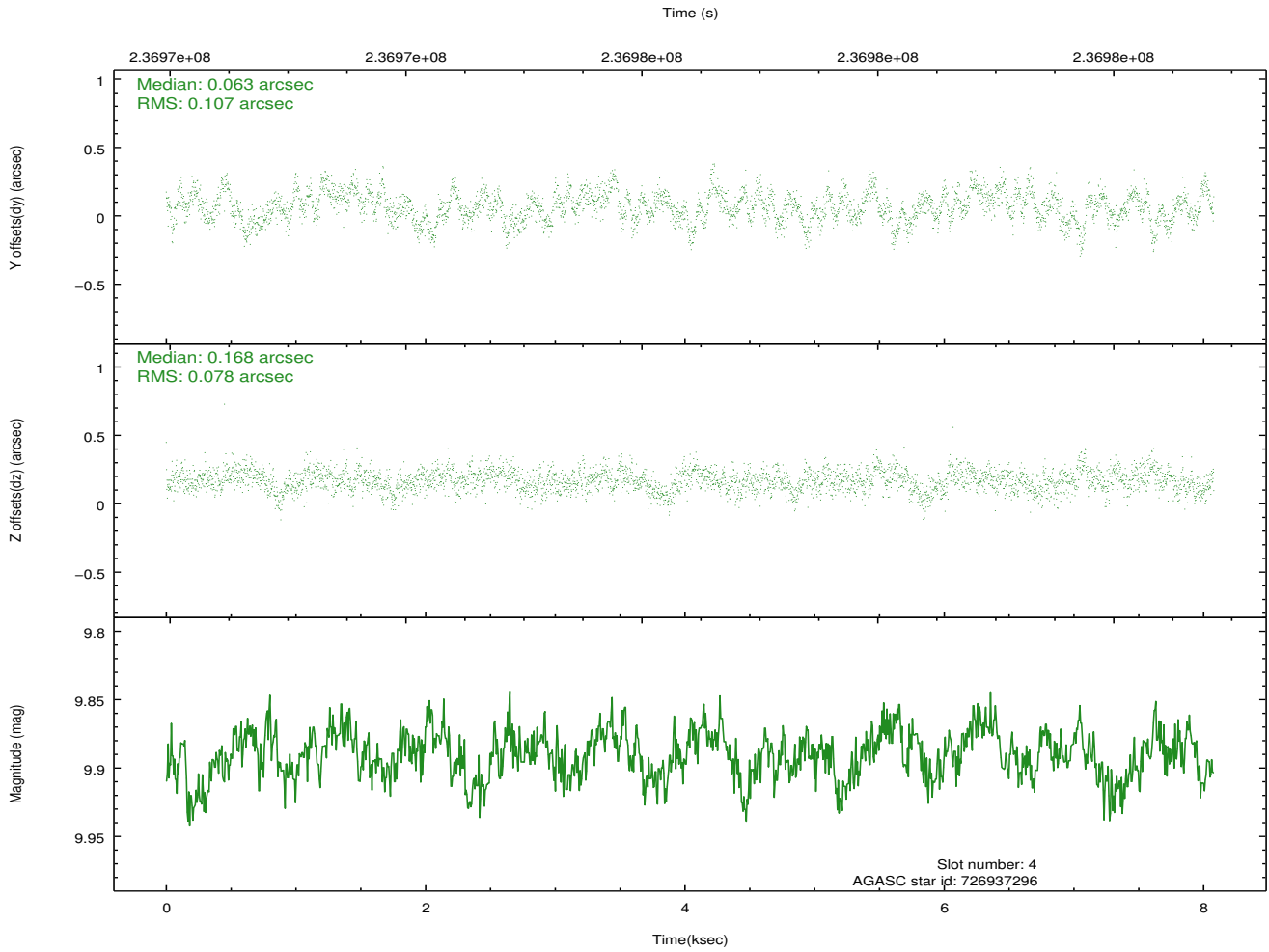
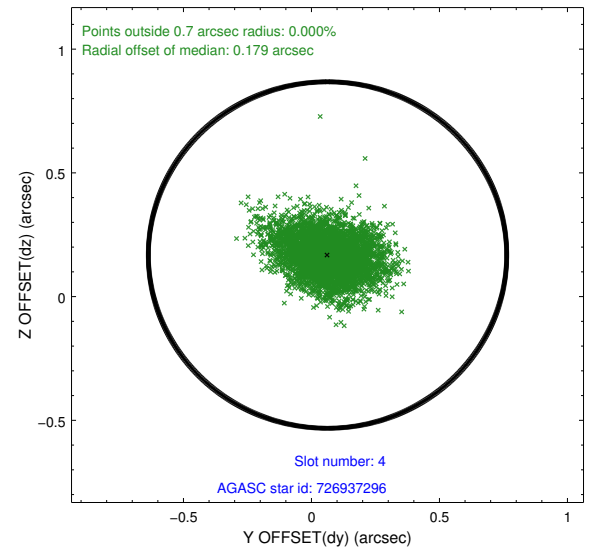
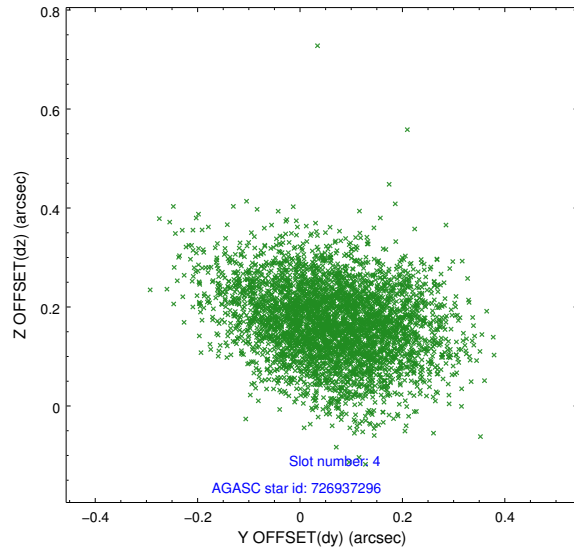
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1971	-0.069	-0.033	0.007	0.011	0.000000	0.000000	-759.69	-1731.48
1	FID	ACIS-S-4	7.21	1971	0.116	0.042	0.006	0.011	0.000000	0.000000	2153.41	176.42
2	FID	ACIS-S-5	7.23	1971	-0.078	-0.001	0.007	0.012	0.000000	0.000000	-1811.70	170.75
3	GUIDE	726932952	8.87	3941	-0.260	-0.160	0.077	0.124	205.485641	-9.671333	-2206.40	358.69
4	GUIDE	726937296	9.89	3937	0.063	0.168	0.139	0.232	205.957534	-9.863016	-2163.98	2169.43
5	GUIDE	727320264	9.55	3939	0.067	0.156	0.128	0.196	205.464326	-10.871323	1851.26	1843.61
6	GUIDE	727320712	10.43	3940	0.092	-0.119	0.223	0.374	204.468965	-10.254166	1053.40	-2244.34
7	GUIDE	727326472	10.08	3922	0.038	-0.044	0.153	0.255	205.620857	-10.902930	1759.19	2399.47

2.4 Star Slots

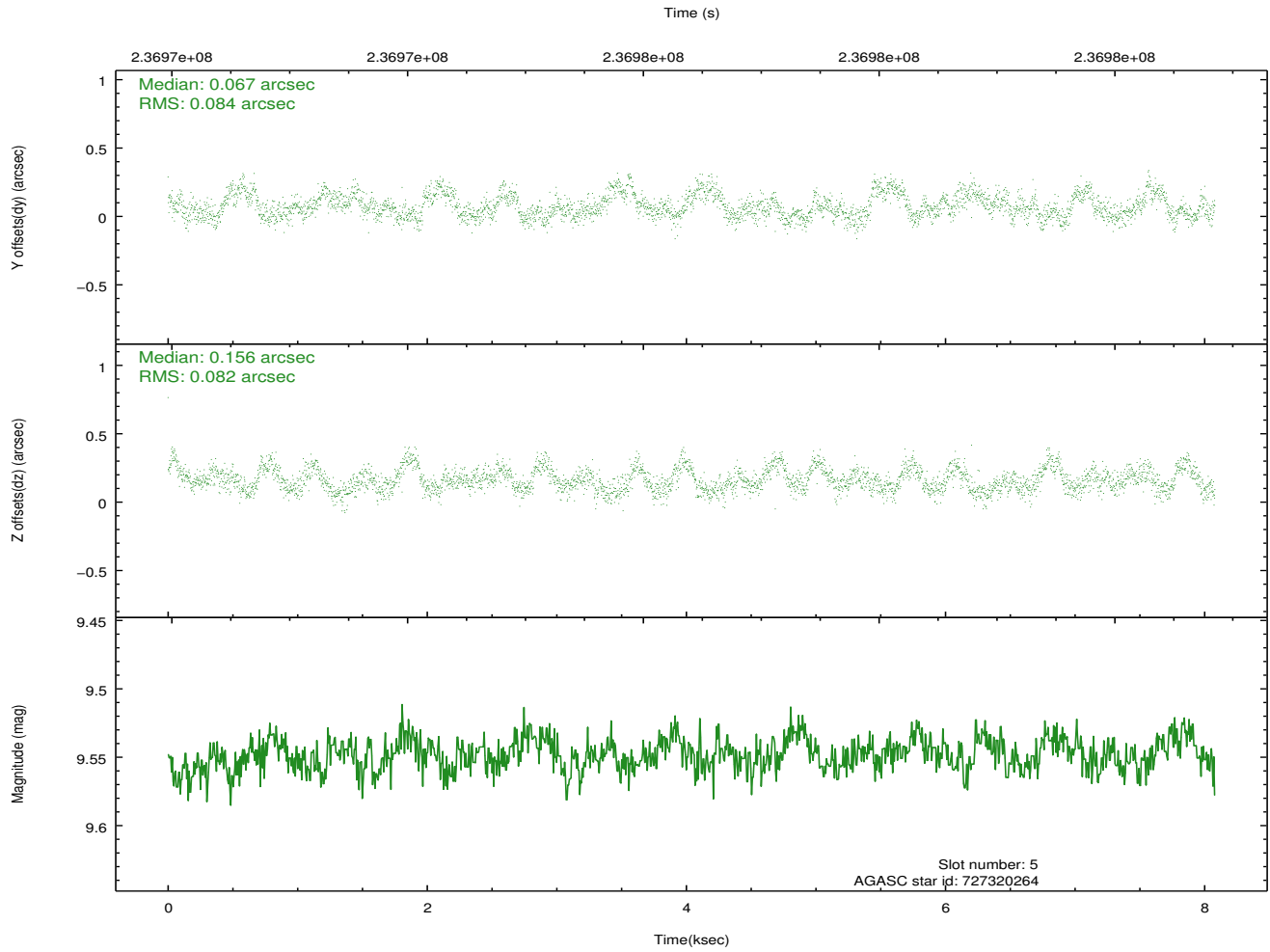
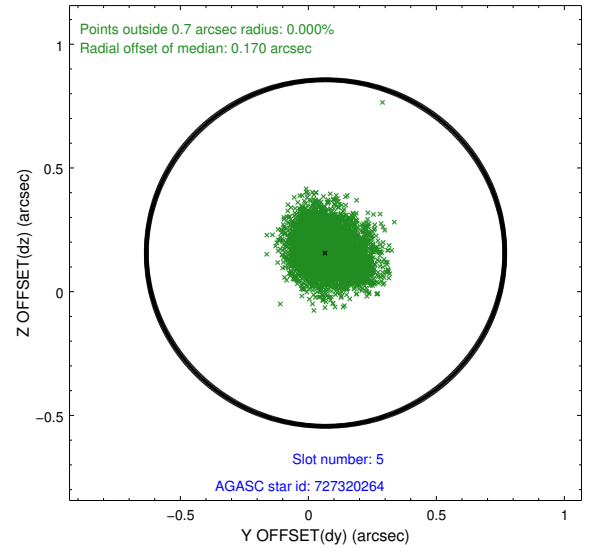
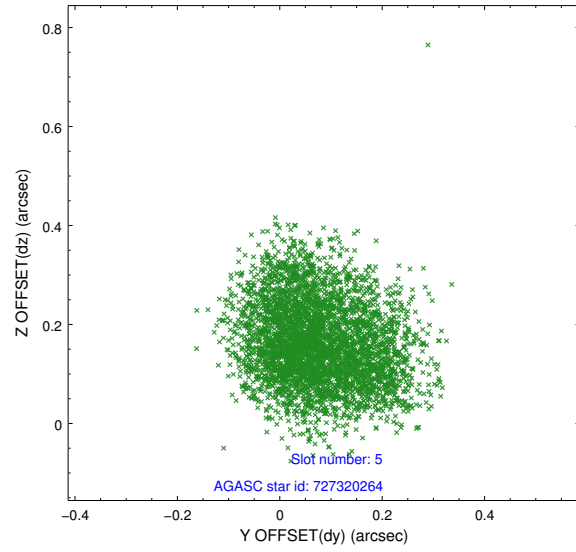
2.4.1 Slot 3



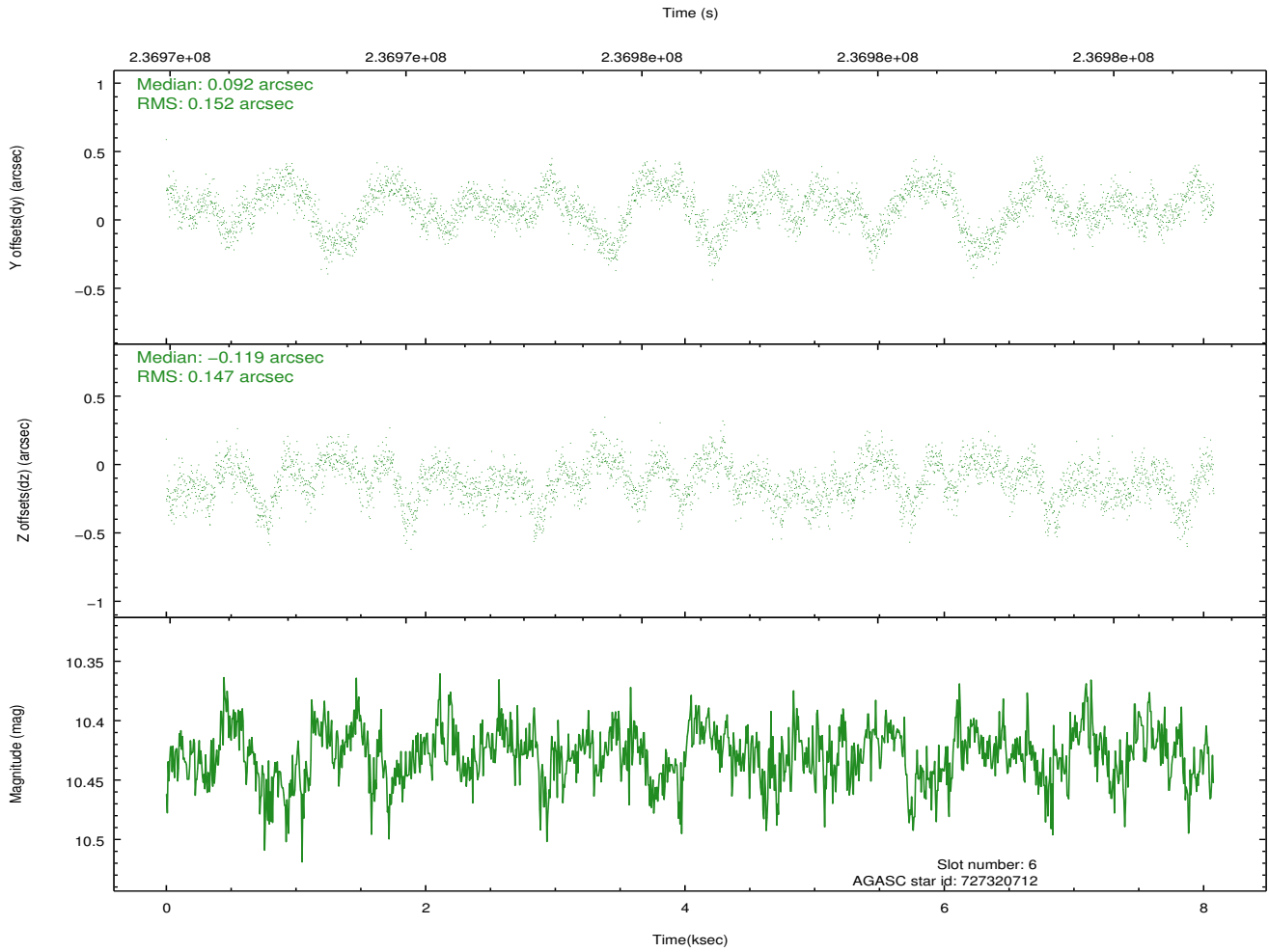
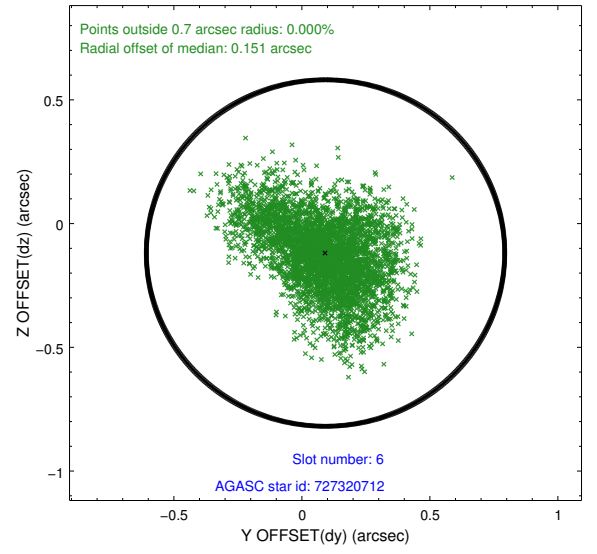
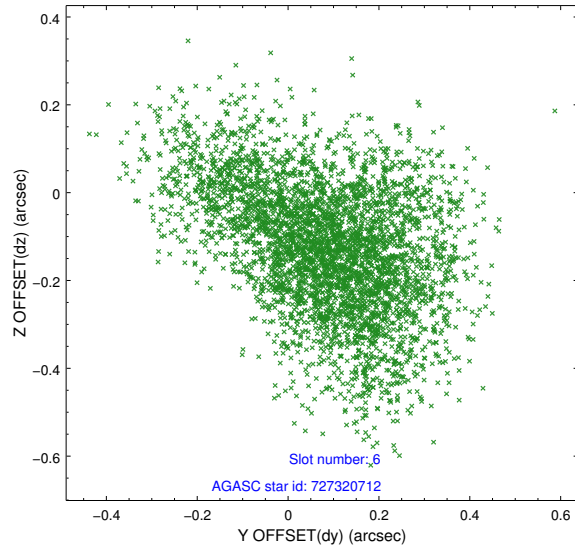
2.4.2 Slot 4



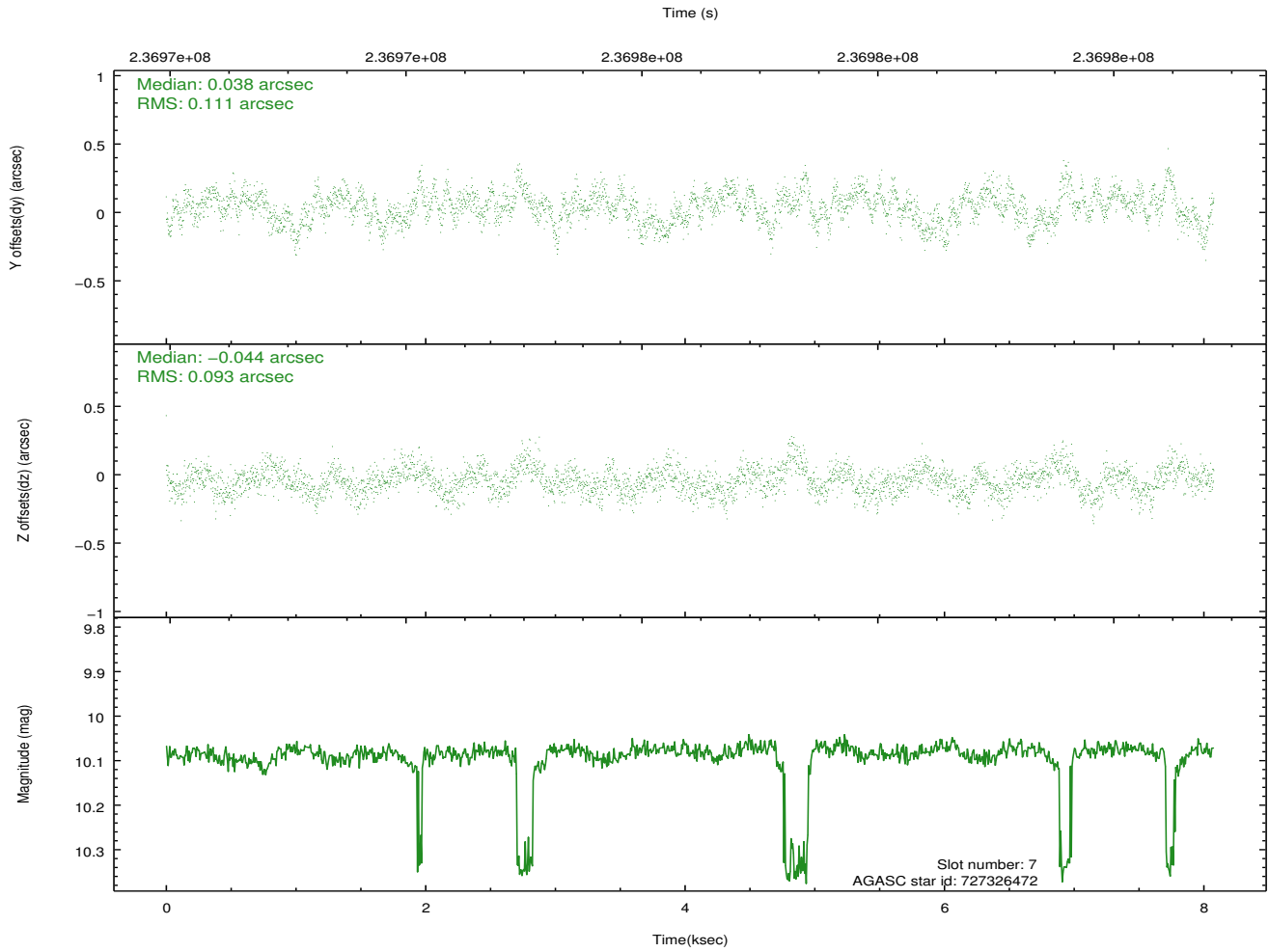
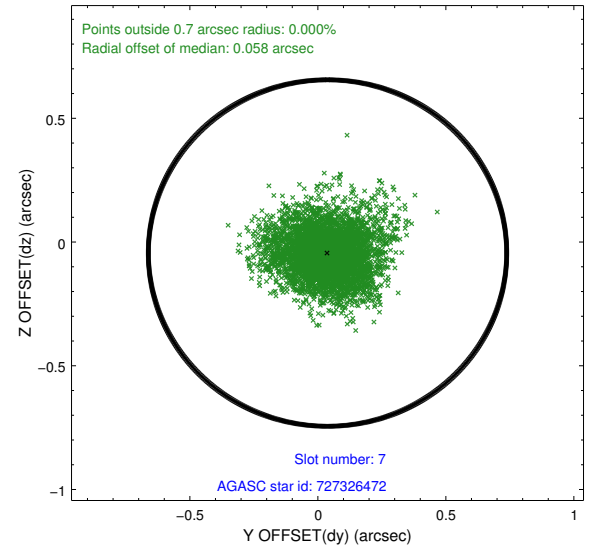
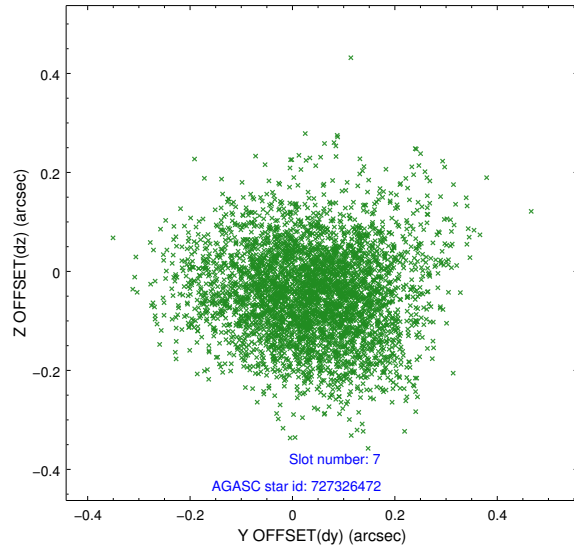
2.4.3 Slot 5



2.4.4 Slot 6

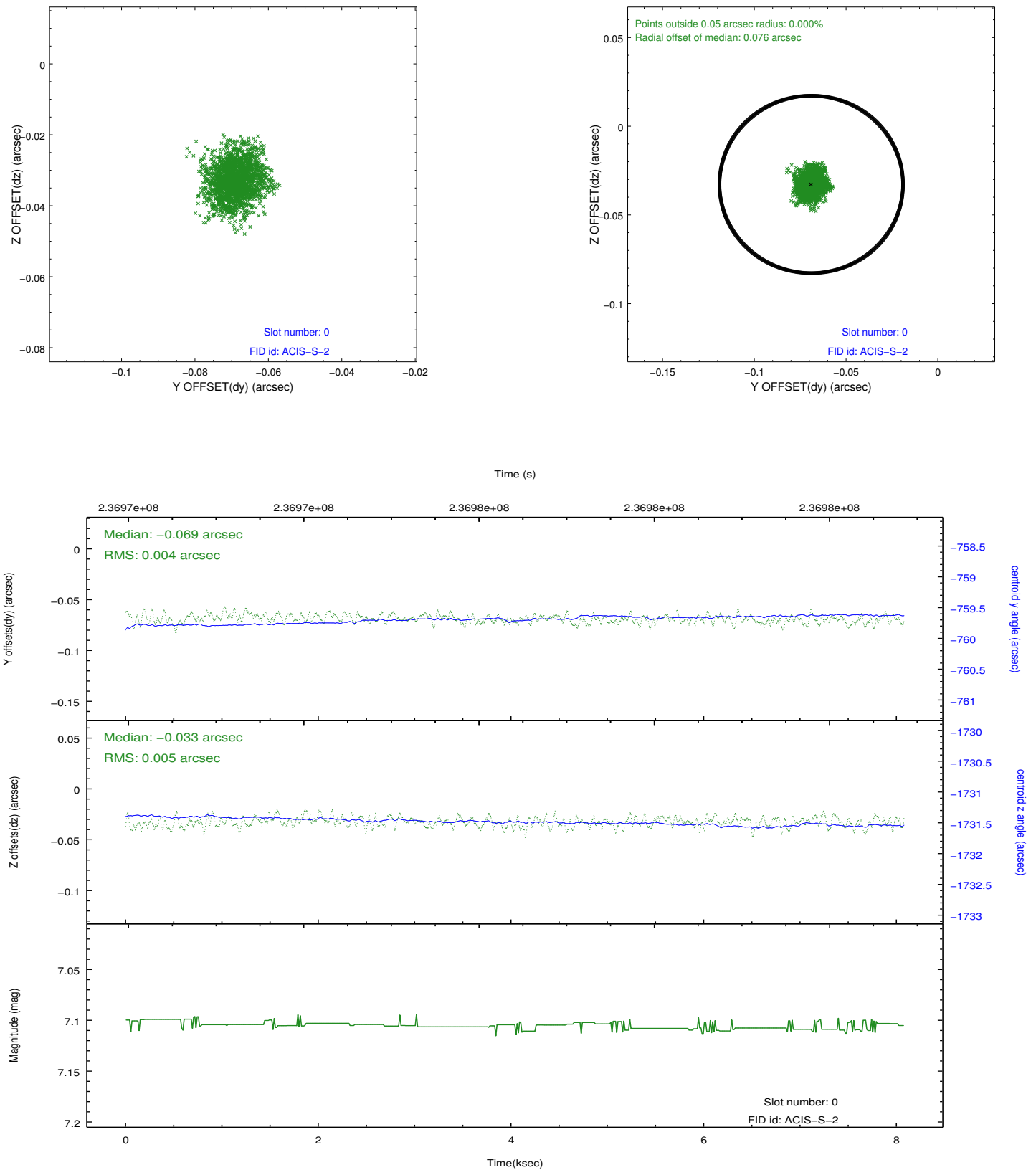


2.4.5 Slot 7

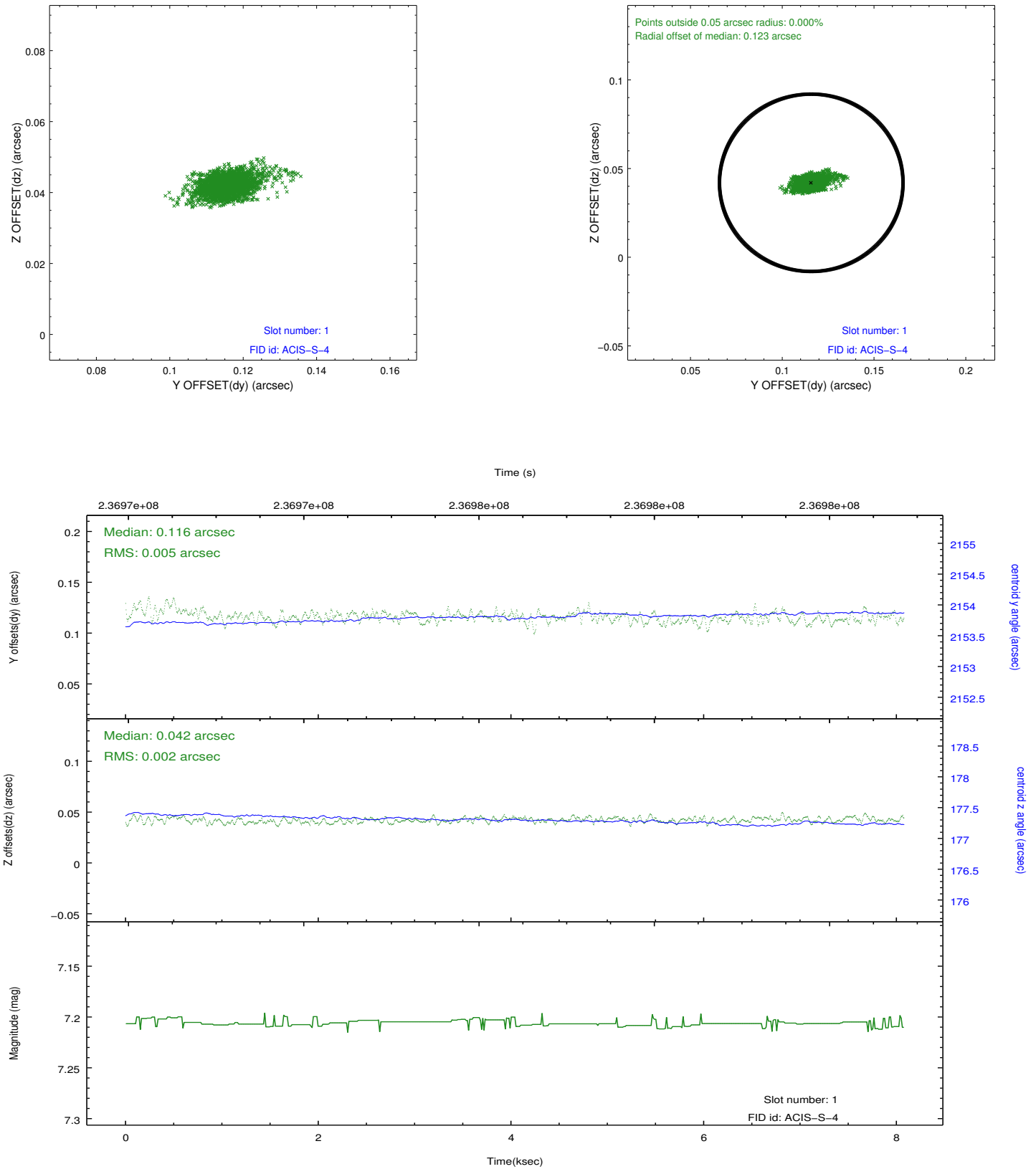


2.5 FID Slots

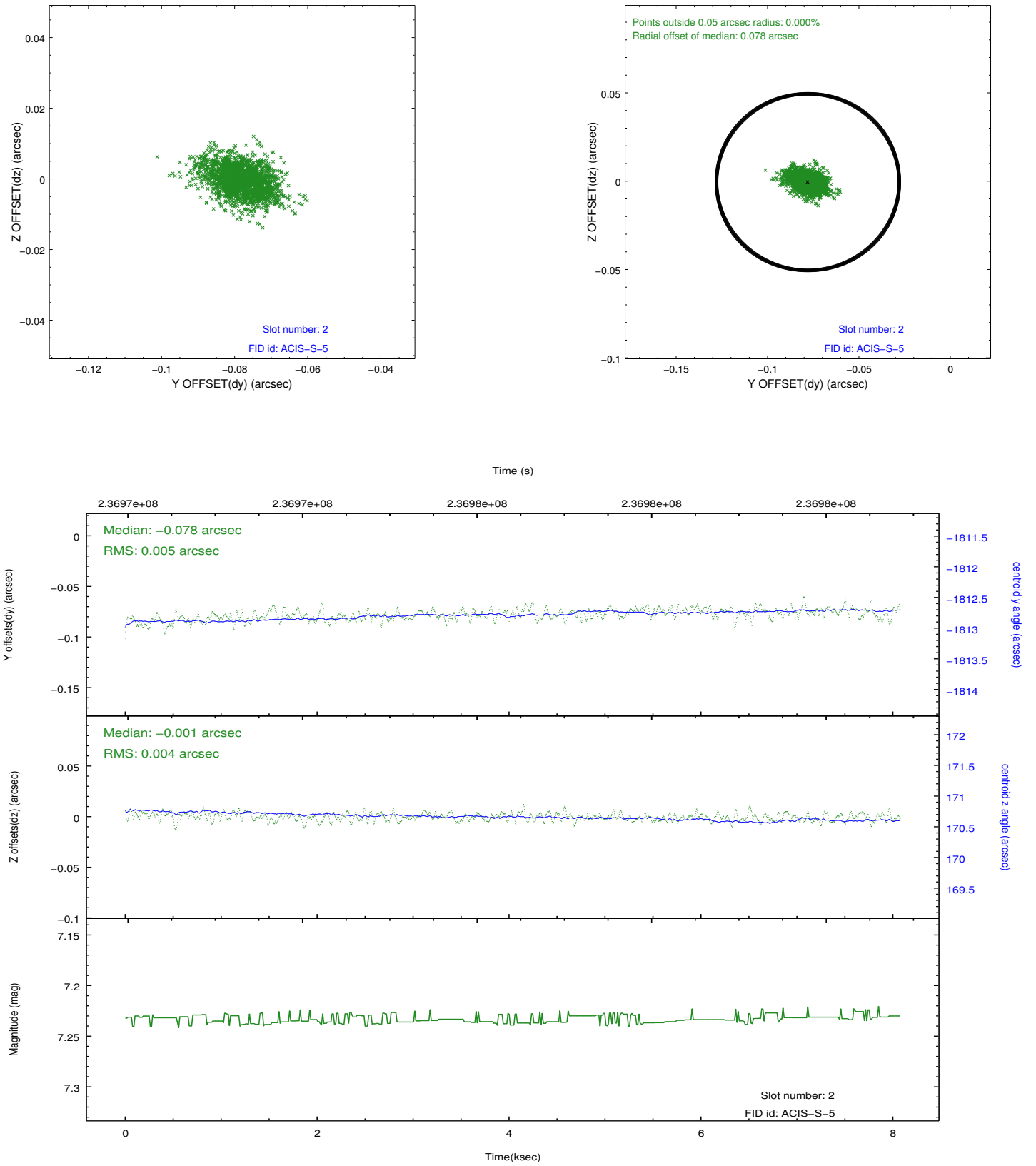
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.076799

A.2 Comments

Window preference met.