

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7766 - L2 Version 3
Chandra X-Ray Center

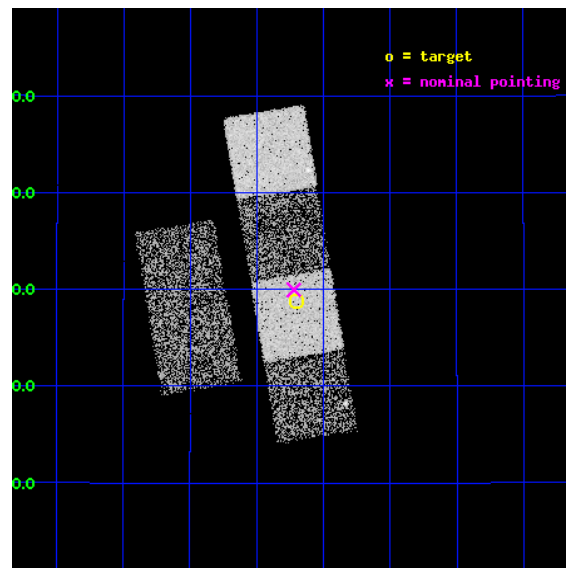
L2 Processing Date : Apr 16 2012

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1 Front

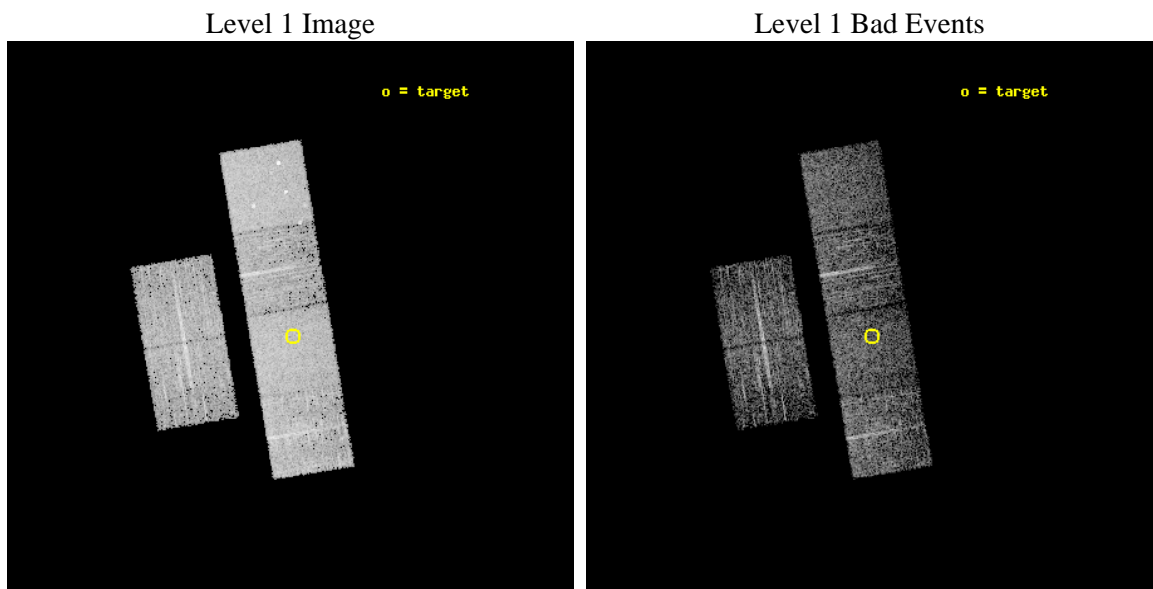
seq_num	701434	Sequence number
obs_id	7766	Observation id
title	Investigating AGN Activity in Low Surface Brightness Galaxies	Prop
observer	Dr Mousumi Das	Principal investigator
object	UGC 4422	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	126.925	Observer's specified target RA [deg]
dec_targ	21.478889	Observer's specified target Dec [deg]
ra_nom	126.93035010013	Nominal RA [deg]
dec_nom	21.499340400923	Nominal Dec [deg]
roll_nom	80.472201230419	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2937.5999891162	Sum of GTIs [s]
livetime	2900.4023292436	Livetime [s]
ontime2	2934.3590088487	Sum of GTIs [s]
ontime3	2937.5999891162	Sum of GTIs [s]
ontime5	2937.5999891162	Sum of GTIs [s]
ontime6	2937.5999891162	Sum of GTIs [s]
ontime7	2937.5999891162	Sum of GTIs [s]
ontime8	2937.5999891162	Sum of GTIs [s]
l2events	43285	Number of level 2 events



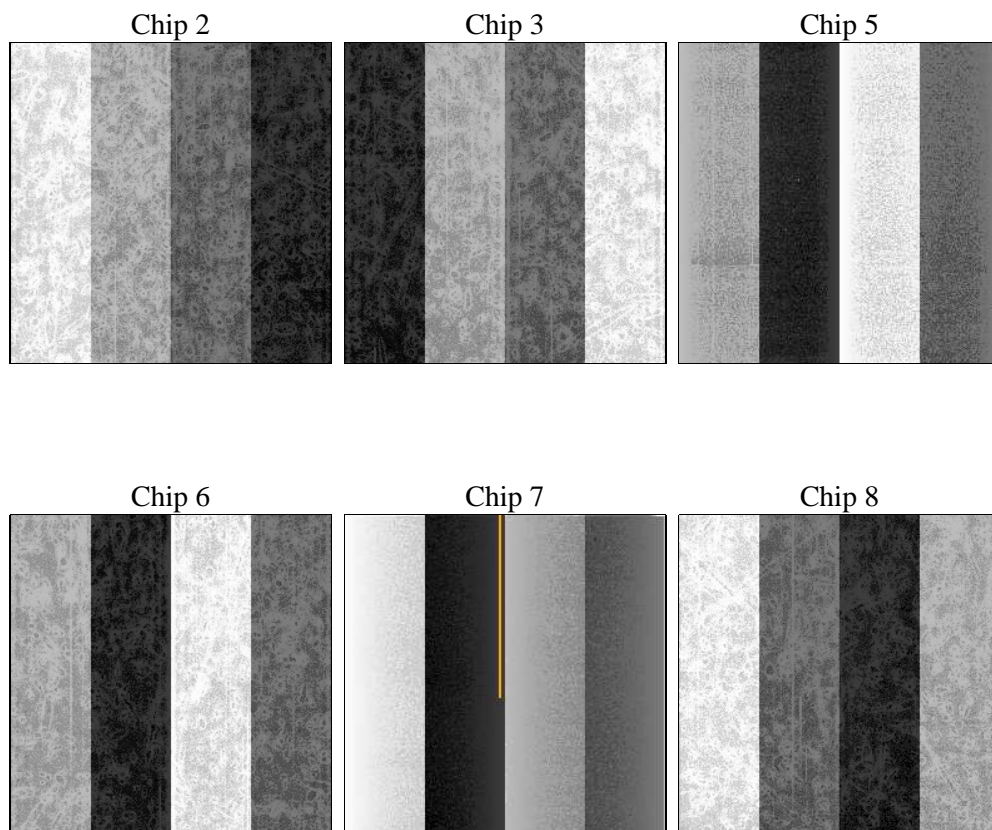
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	2937.5999891162	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	2934.3590088487	Sum of GTIs [s]
date	2012-04-16T04:23:08	Date and time of file creation	ontime3	2937.5999891162	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2937.5999891162	Sum of GTIs [s]
			ontime6	2937.5999891162	Sum of GTIs [s]
			ontime7	2937.5999891162	Sum of GTIs [s]
			ontime8	2937.5999891162	Sum of GTIs [s]
			l1events	189888	Number of level 1 events

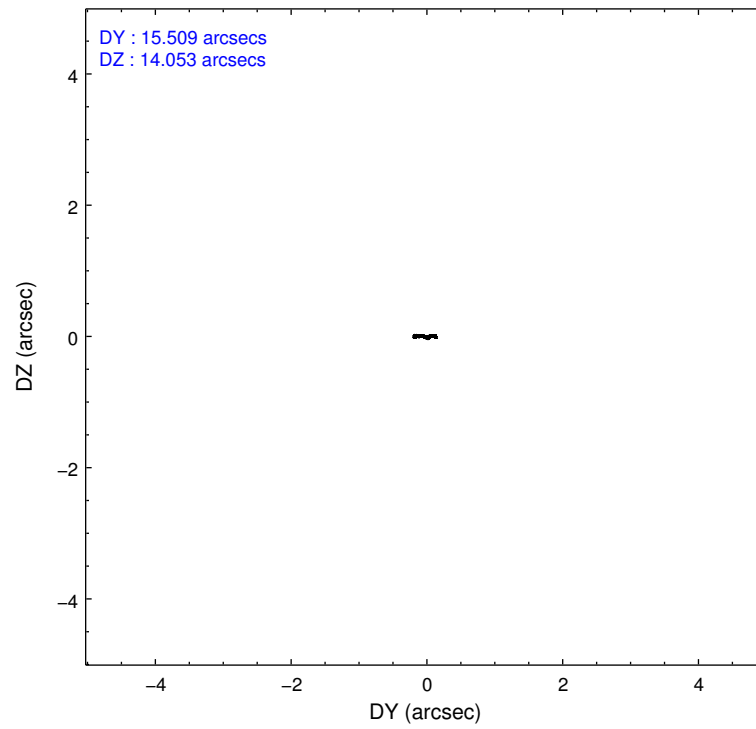
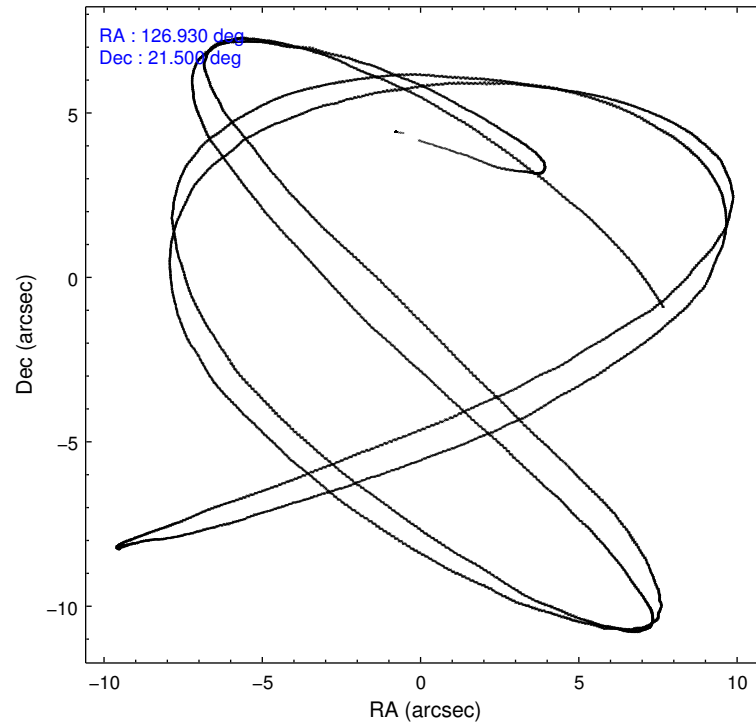
2.1.4 Events

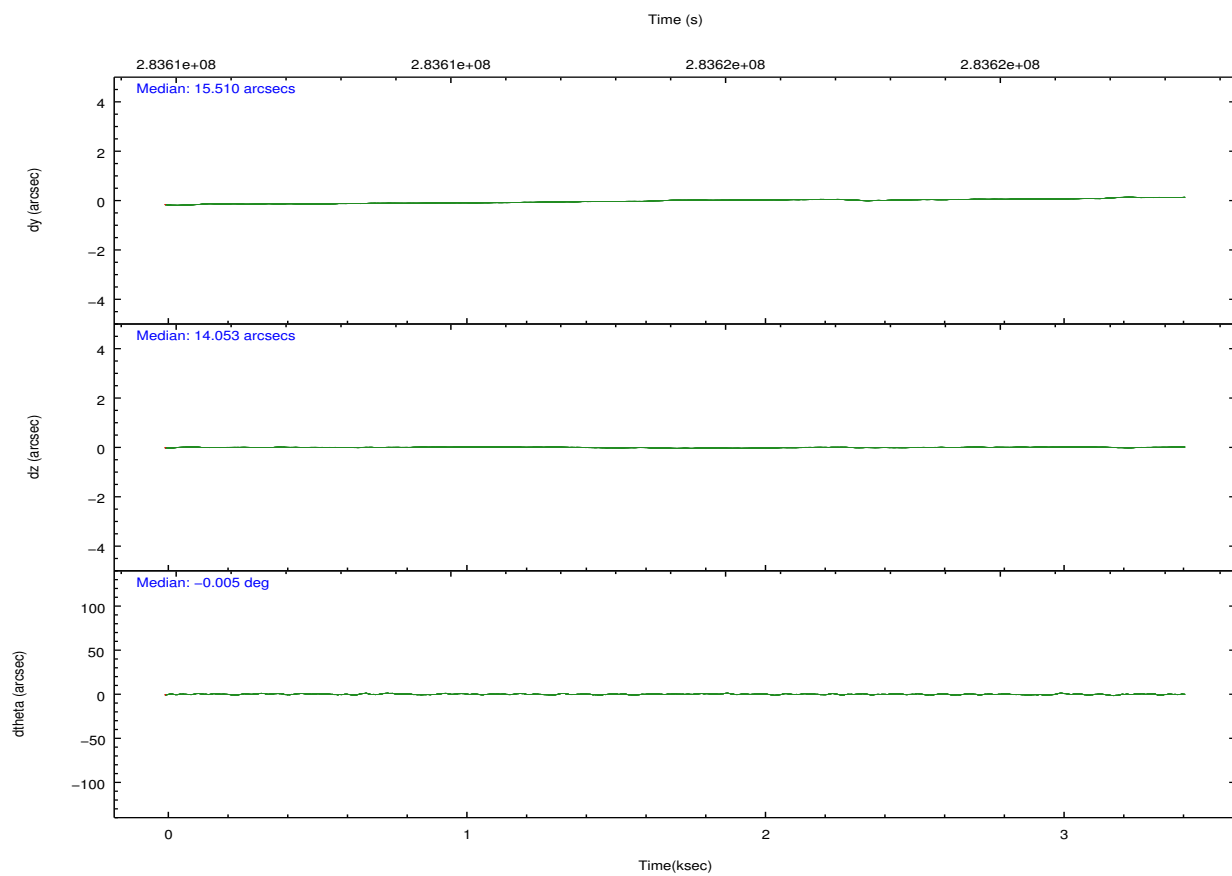
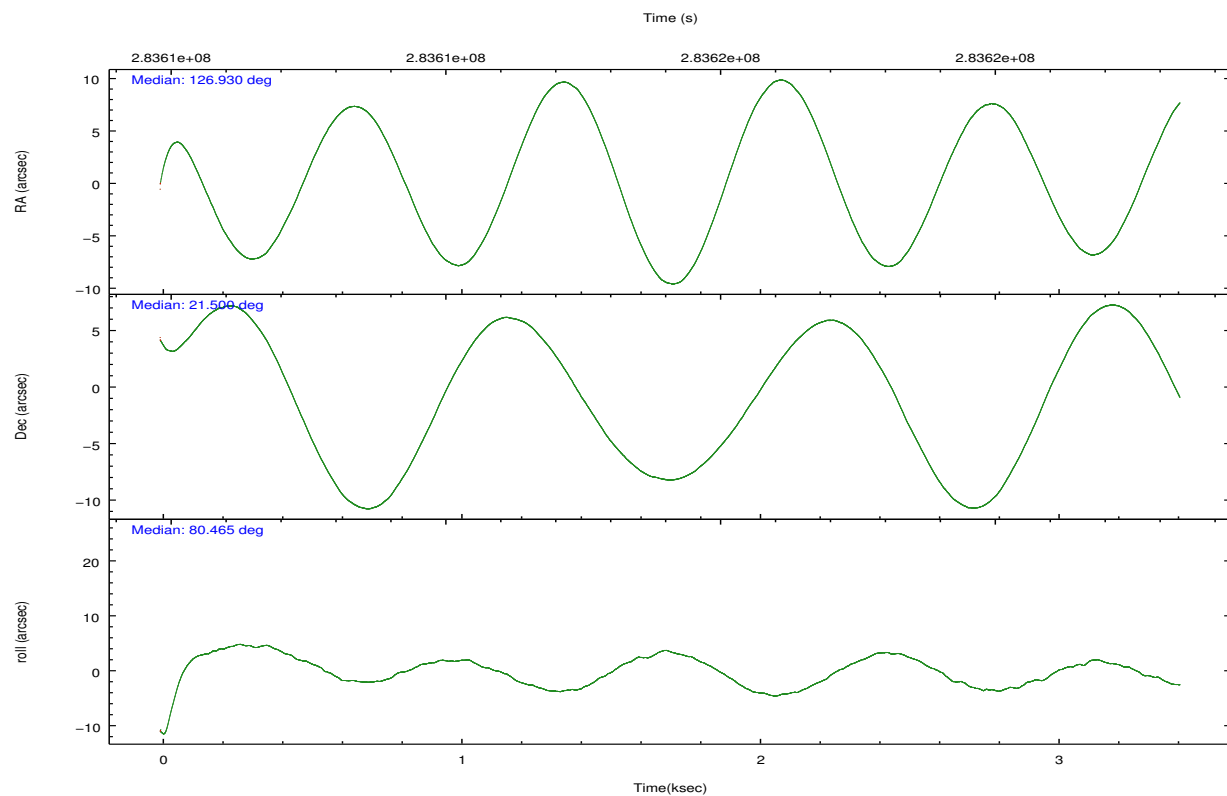
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26349	25272	41447	26426	36202	34192	grade 0 events	1356	1443	2392	1180	1260	2408
rejected events	23175	22145	22204	23322	21251	26444		5%	5%	5%	4%	3%	7%
rejected %	87%	87%	53%	88%	58%	77%	grade 1 events	15	34	69	17	41	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	698	566	5583	679	3065	1701
								2%	2%	13%	2%	8%	4%
							grade 3 events	313	278	742	306	1273	805
								1%	1%	1%	1%	3%	2%
							grade 4 events	298	316	712	280	1265	796
								1%	1%	1%	1%	3%	2%
							grade 5 events	1048	1165	2996	1319	3440	1707
								3%	4%	7%	4%	9%	4%
							grade 6 events	518	527	9829	660	8102	2041
								1%	2%	23%	2%	22%	5%
							grade 7 events	22103	20943	19124	21985	17756	24698
								83%	82%	46%	83%	49%	72%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	126.941115	126.9303501001311	CCD I2 on	O1	Y
[deg] Pointing Dec	21.473626	21.49934040092289	CCD I3 on	O2	Y
[deg] Pointing Roll	80.311681	80.47220123041885	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	283613526.184000	283612445.3869	CCD S5 on	N	N
Observation start date	2006-12-27T13:31:01	2006-12-27T13:14:05	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	283616526.184000	283616935.91211	On-chip summing requested	N	N
Observation end date	2006-12-27T14:21:01	2006-12-27T14:28:55	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



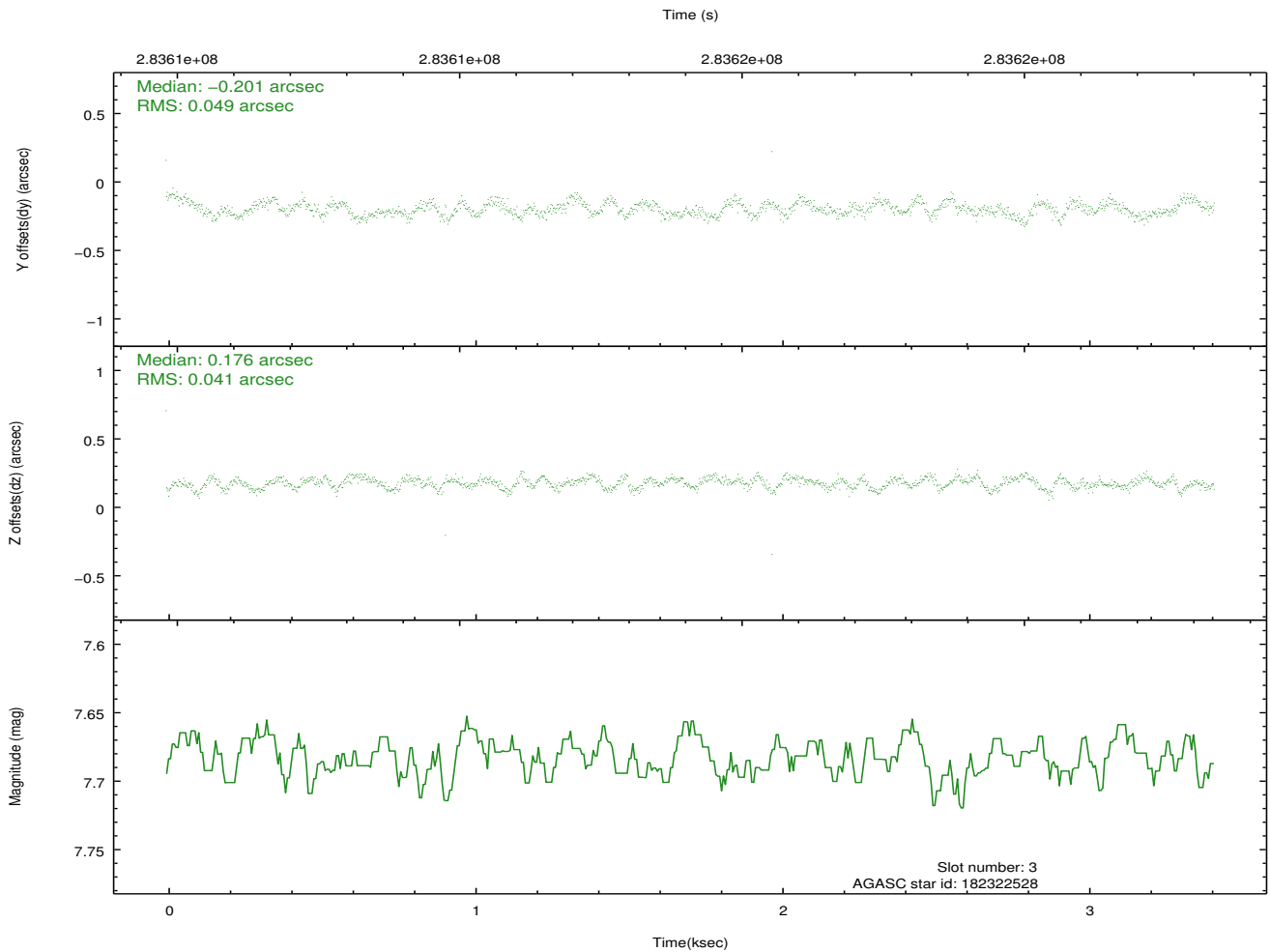
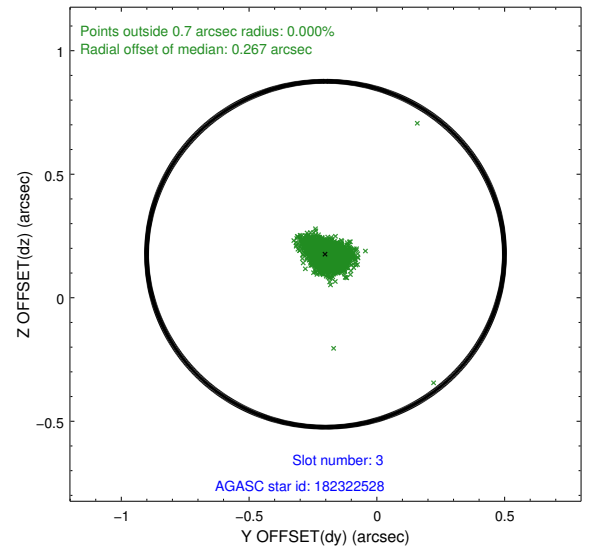
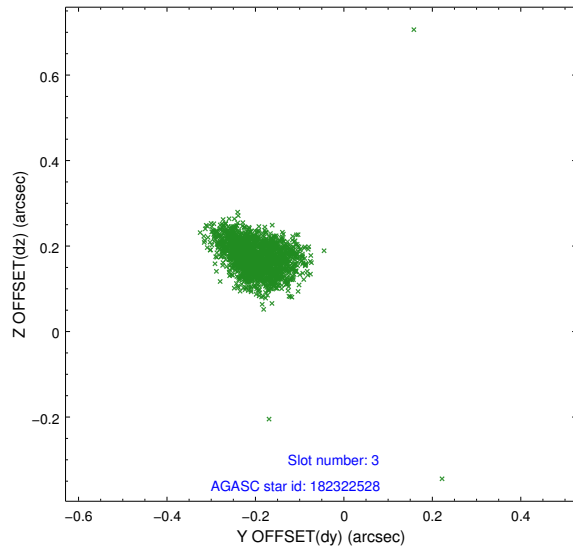


Slot Statistics

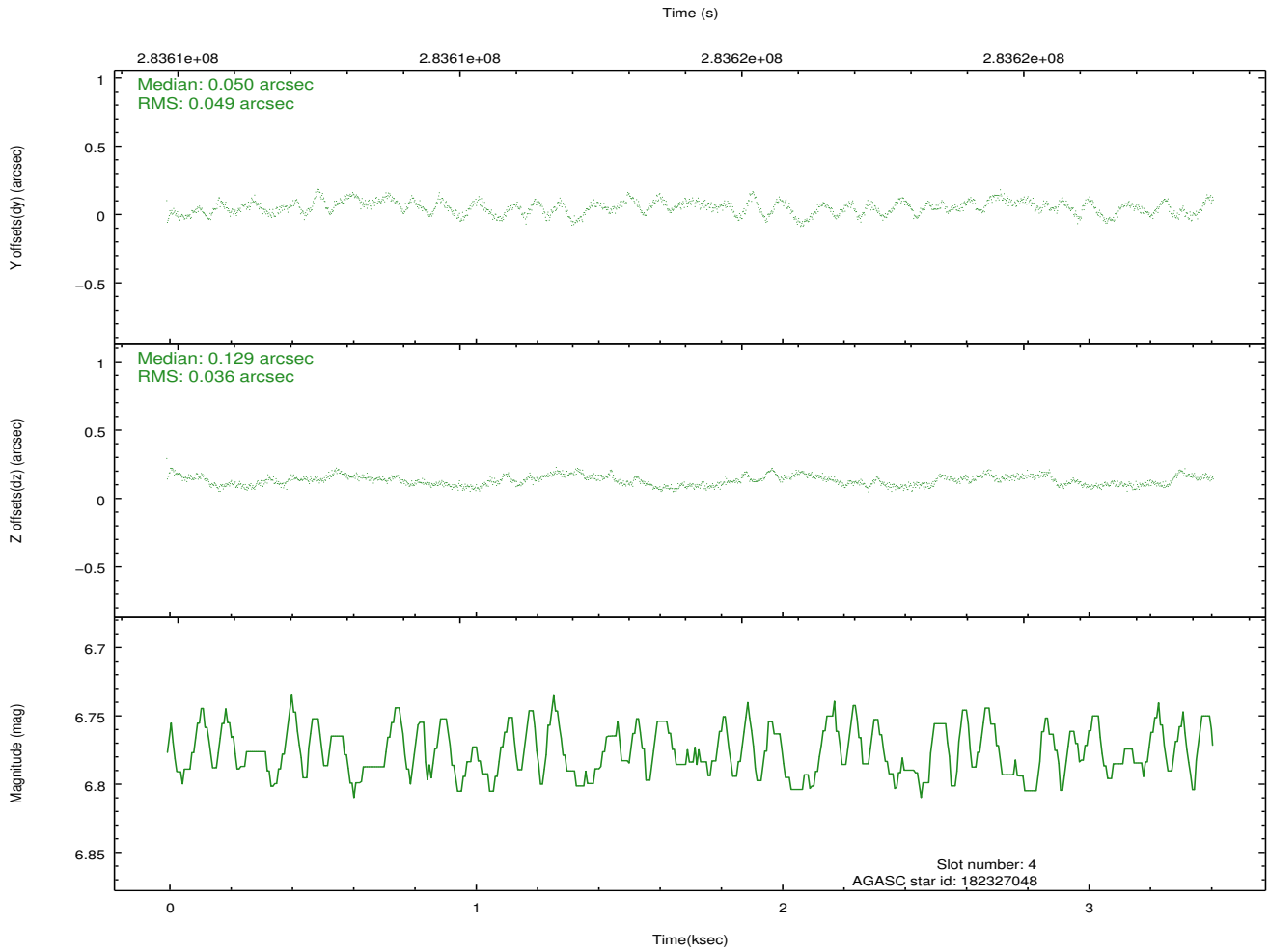
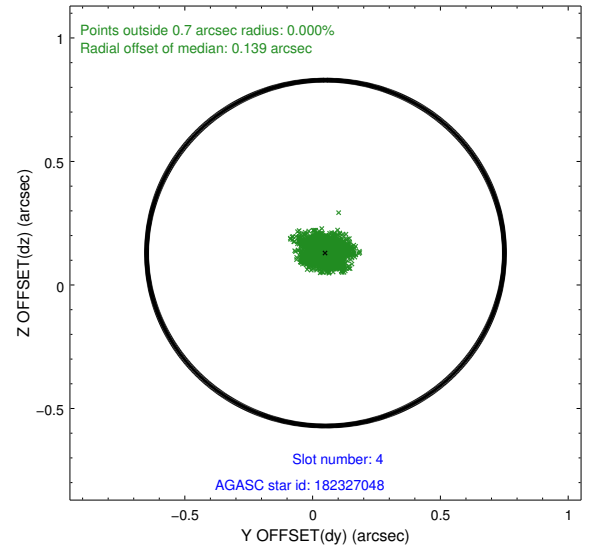
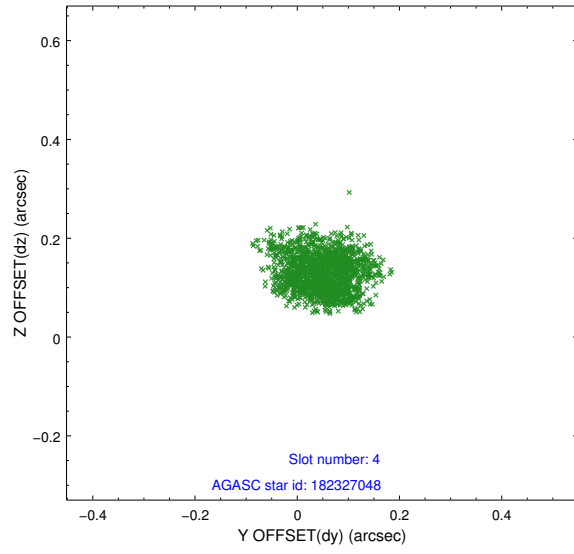
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	834	0.070	-0.034	0.006	0.012	0.000000	0.000000	927.63	-1731.07
1	FID	ACIS-S-5	7.23	833	-0.140	0.044	0.006	0.011	0.000000	0.000000	-1820.54	164.65
2	FID	ACIS-S-6	7.34	833	0.049	0.001	0.007	0.011	0.000000	0.000000	391.16	810.66
3	GUIDE	182322528	7.68	1667	-0.201	0.176	0.063	0.101	127.486460	22.029849	2282.76	-1456.54
4	GUIDE	182327048	6.78	1667	0.050	0.129	0.065	0.103	127.029803	21.148489	-1103.56	-492.07
5	GUIDE	182332968	8.69	1667	0.150	-0.110	0.072	0.114	126.434106	21.190606	-1289.35	1505.55
6	GUIDE	182333928	9.11	1663	-0.021	-0.307	0.098	0.154	126.301170	21.825946	892.90	2322.84
7	GUIDE	182323112	8.76	1666	0.025	0.107	0.083	0.130	127.617591	22.048036	2423.35	-1874.98

2.4 Star Slots

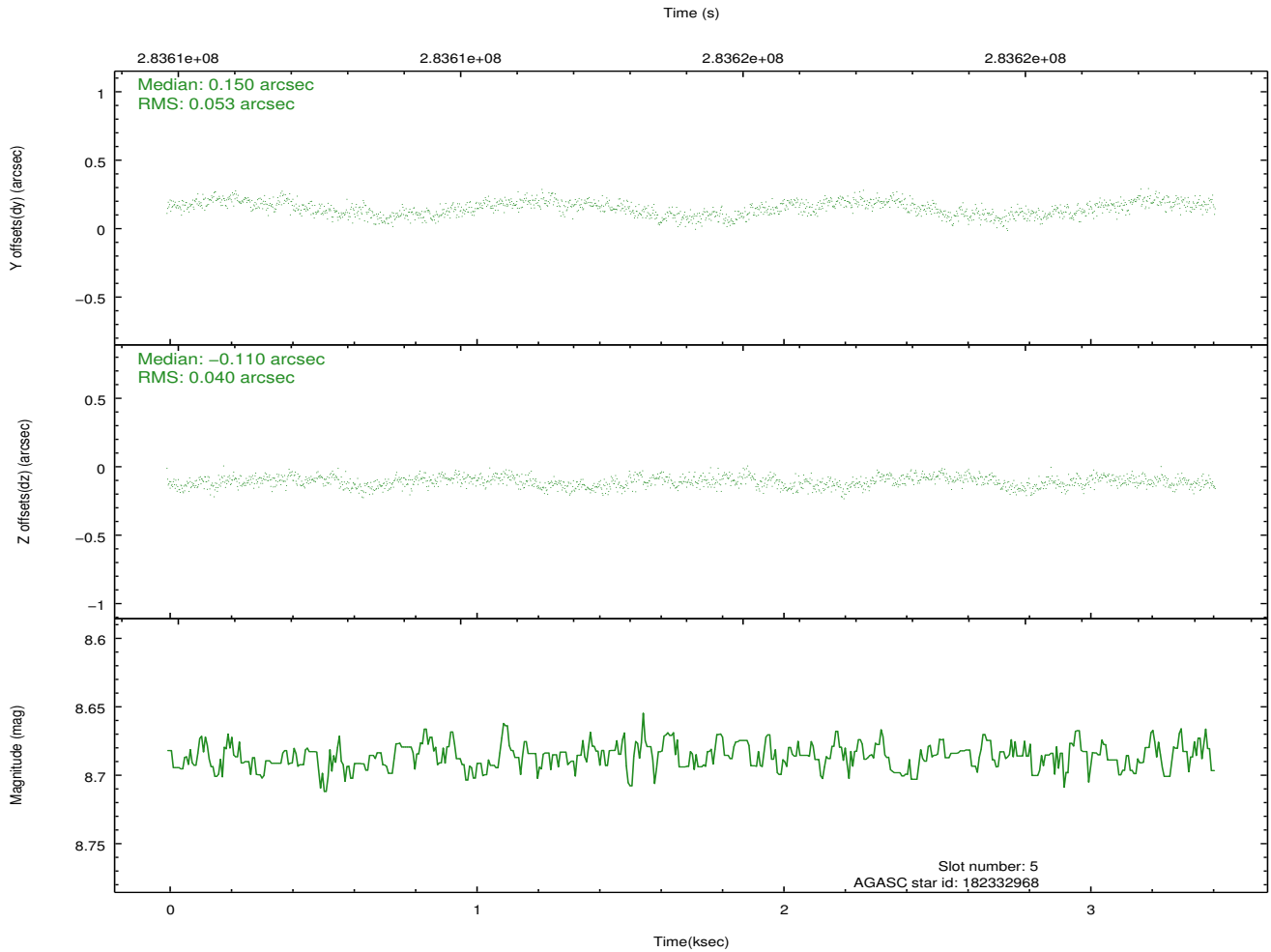
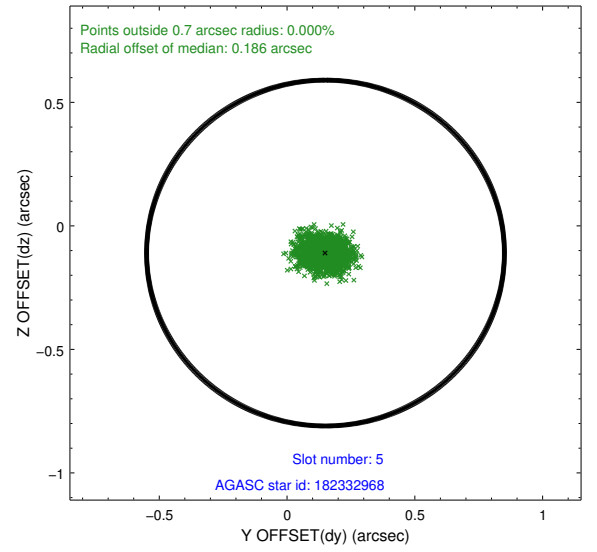
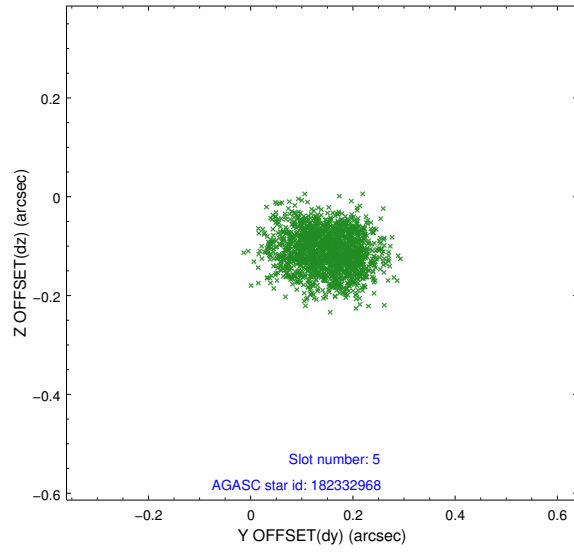
2.4.1 Slot 3



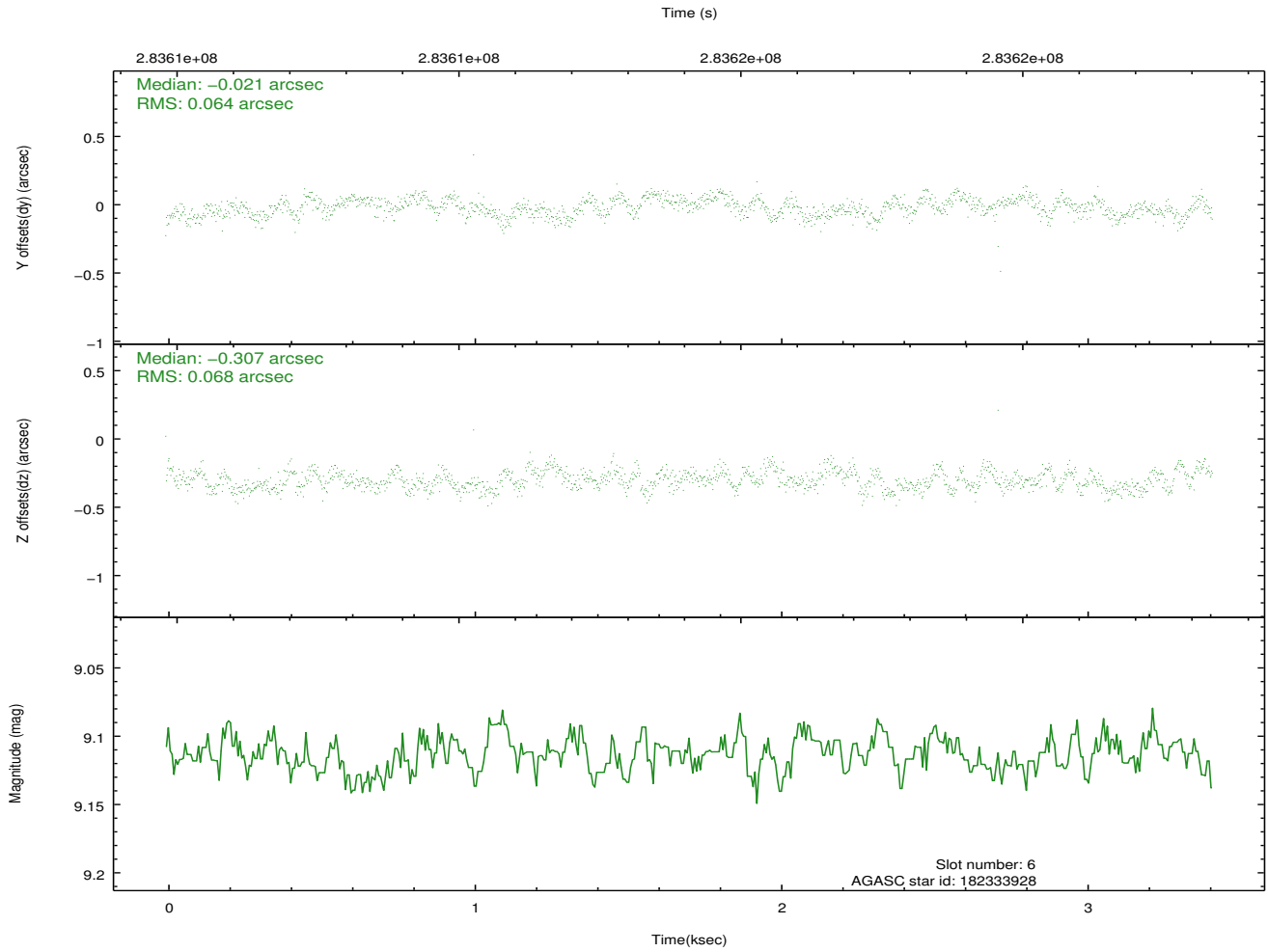
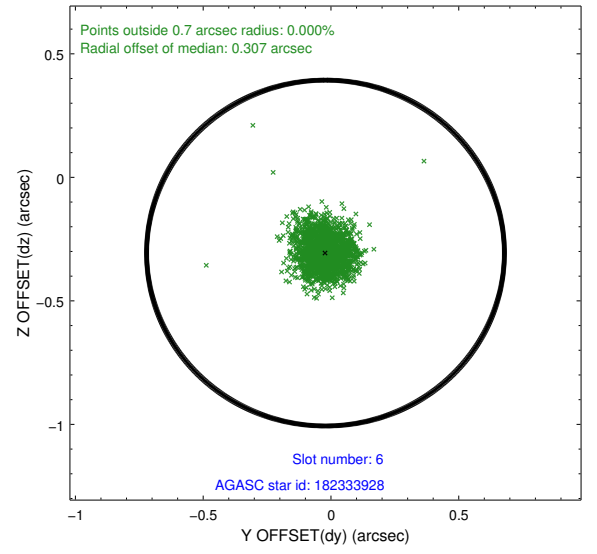
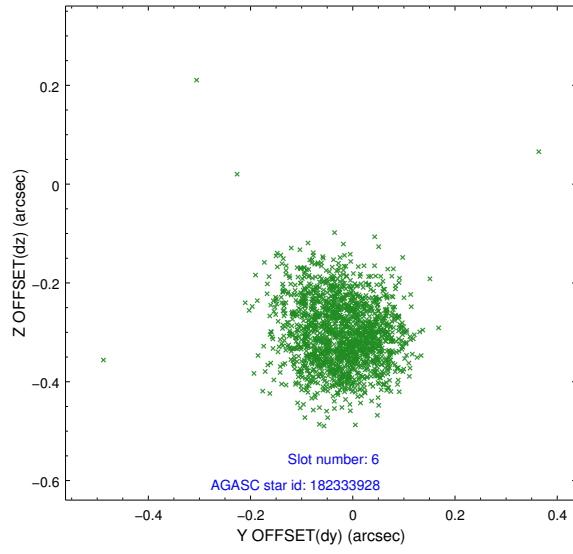
2.4.2 Slot 4



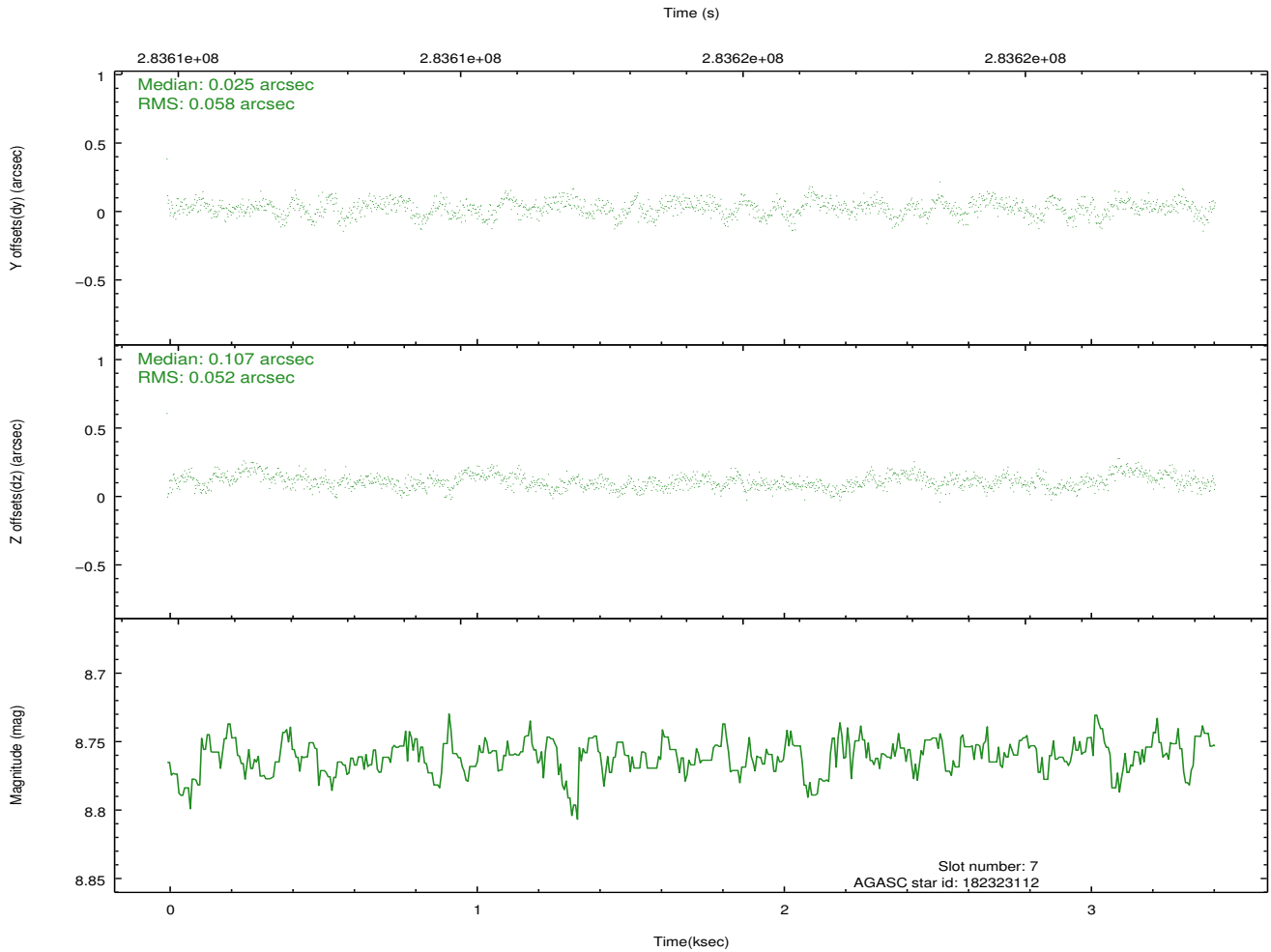
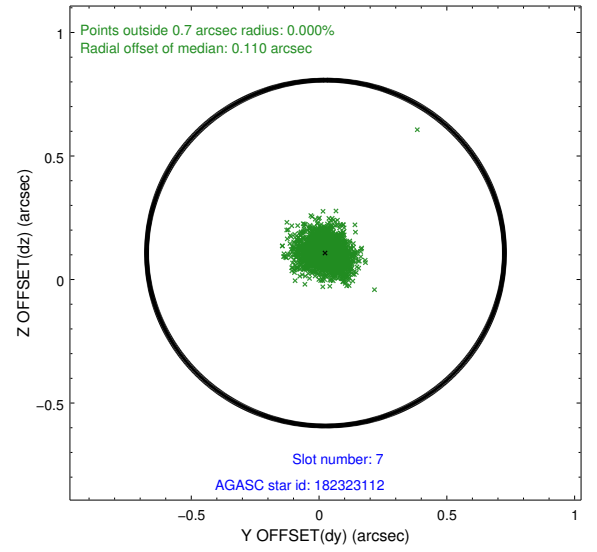
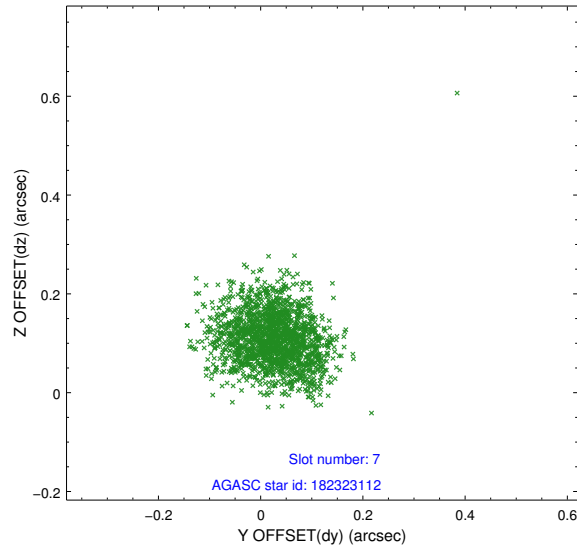
2.4.3 Slot 5



2.4.4 Slot 6

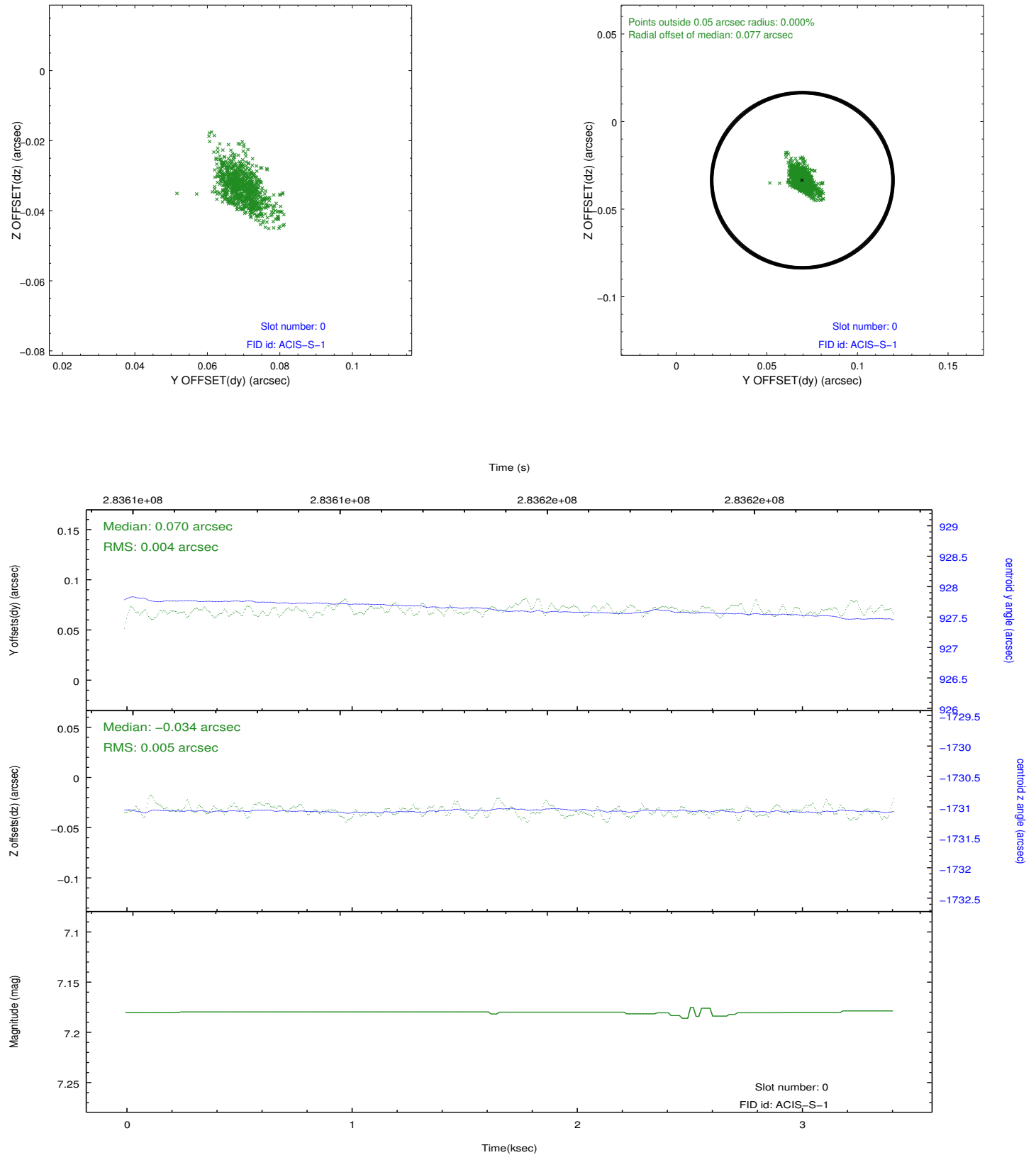


2.4.5 Slot 7

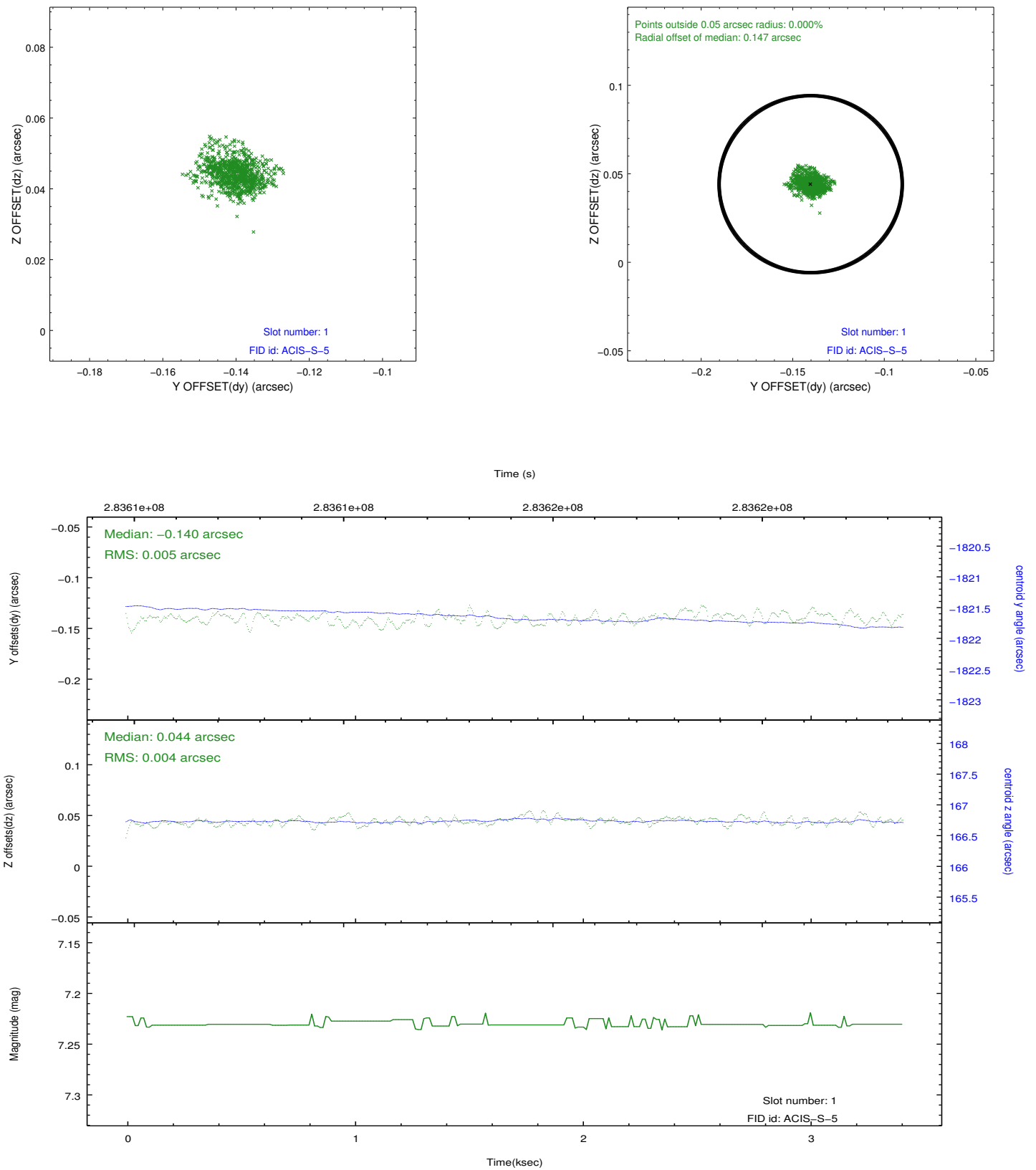


2.5 FID Slots

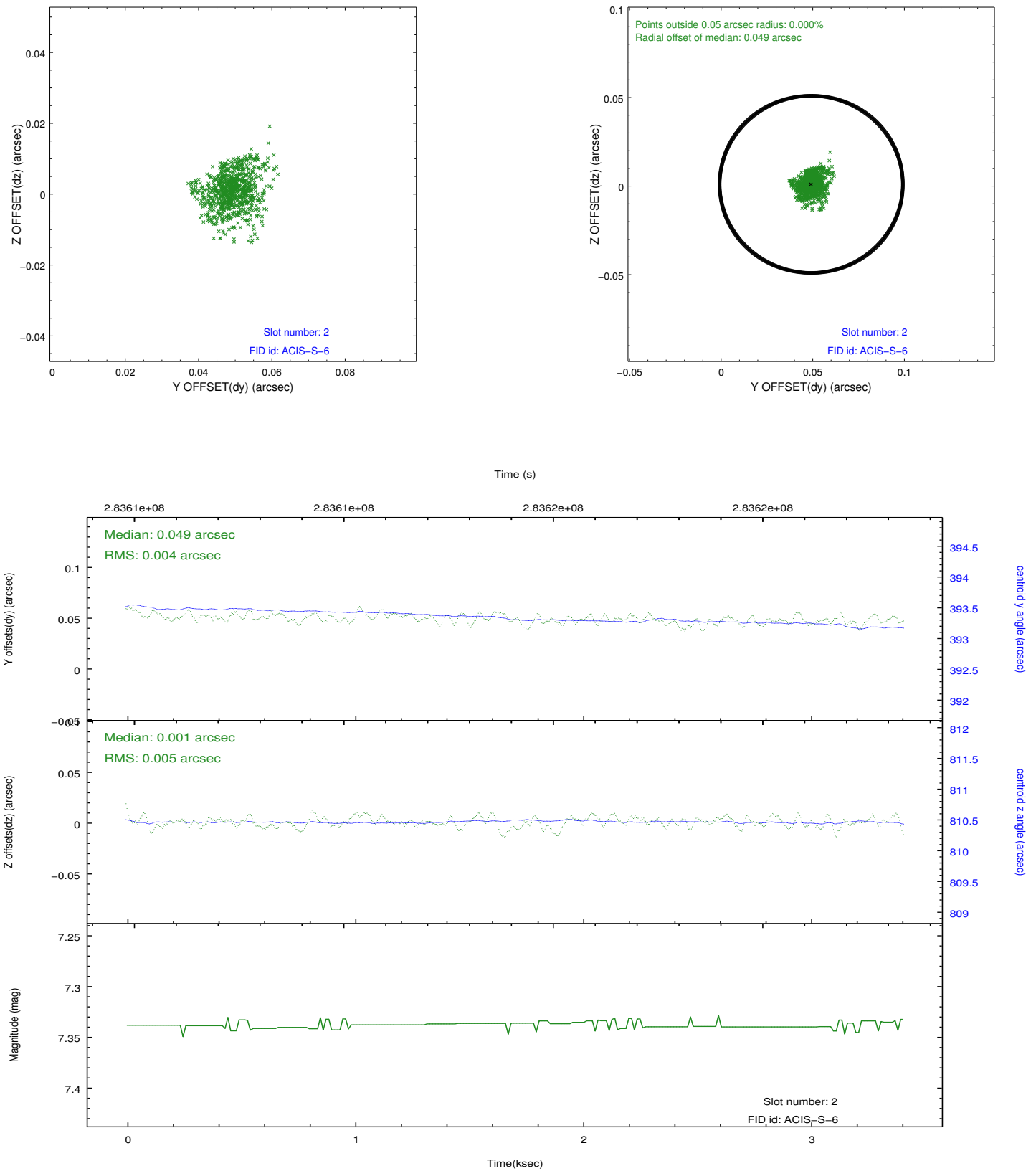
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.93759998

A.2 Comments