

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7115 - L2 Version 2
Chandra X-Ray Center

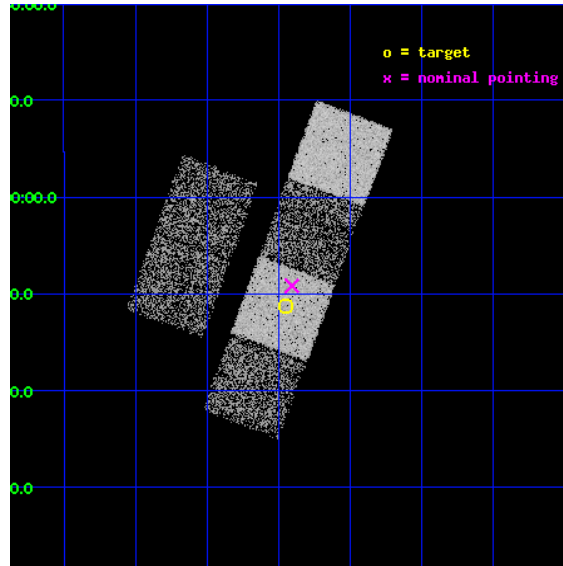
L2 Processing Date : Apr 6 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

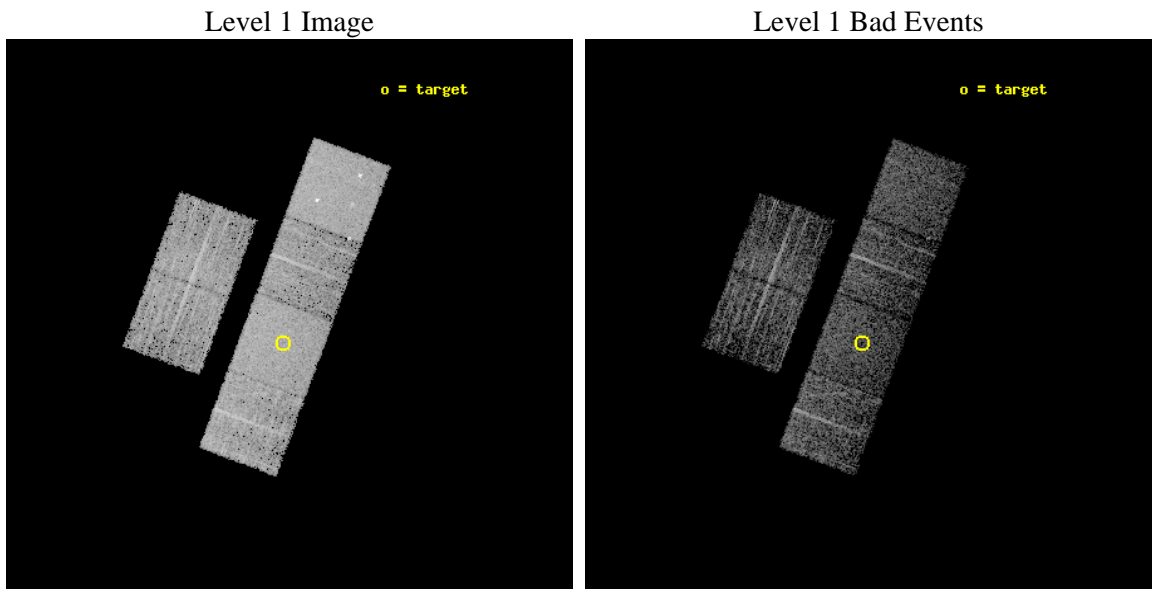
seq_num	600553	Sequence number
obs_id	7115	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 1507	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	61.113333	Observer's specified target RA [deg]
dec_targ	-2.188611	Observer's specified target Dec [deg]
ra_nom	61.101892948123	Nominal RA [deg]
dec_nom	-2.1529358439669	Nominal Dec [deg]
roll_nom	110.47738664111	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2828.7999895215	Sum of GTIs [s]
livetime	2792.9800207553	Livetime [s]
ontime2	2828.7999895215	Sum of GTIs [s]
ontime3	2828.7999895215	Sum of GTIs [s]
ontime5	2828.7999895215	Sum of GTIs [s]
ontime6	2828.7999895215	Sum of GTIs [s]
ontime7	2828.7999895215	Sum of GTIs [s]
ontime8	2828.7999895215	Sum of GTIs [s]
l2events	41730	Number of level 2 events



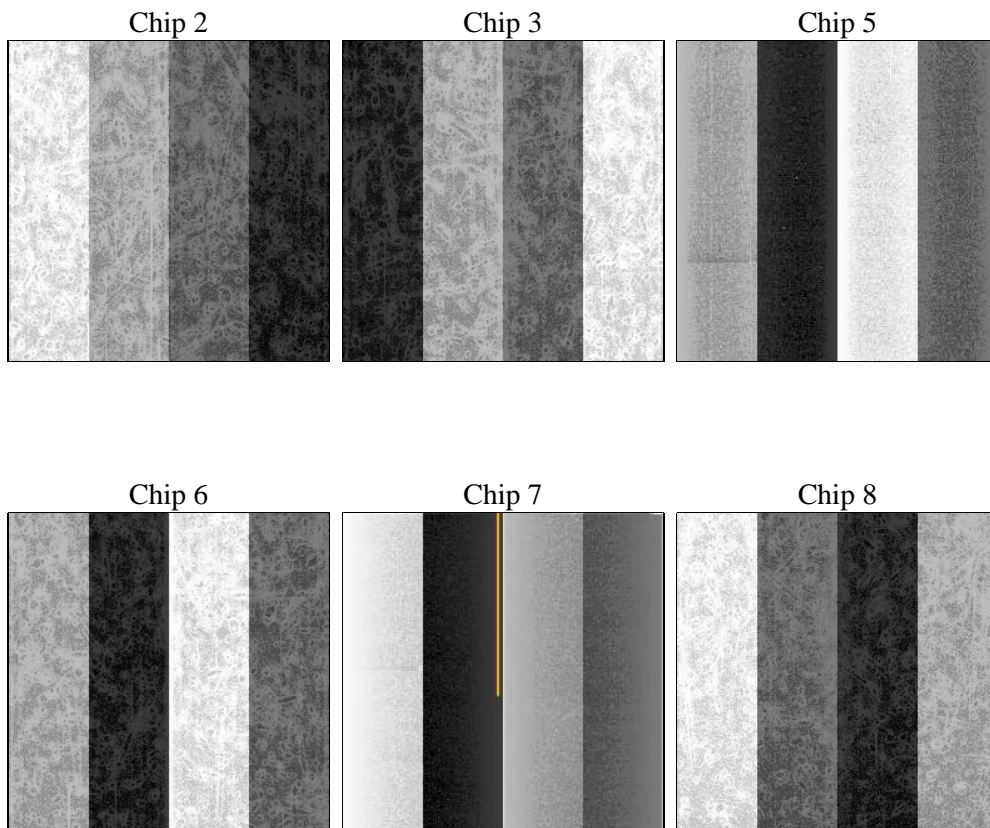
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	2828.7999895215	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	2828.7999895215	Sum of GTIs [s]
date	2012-04-06T03:18:59	Date and time of file creation	ontime3	2828.7999895215	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2828.7999895215	Sum of GTIs [s]
			ontime6	2828.7999895215	Sum of GTIs [s]
			ontime7	2828.7999895215	Sum of GTIs [s]
			ontime8	2828.7999895215	Sum of GTIs [s]
			l1events	205808	Number of level 1 events

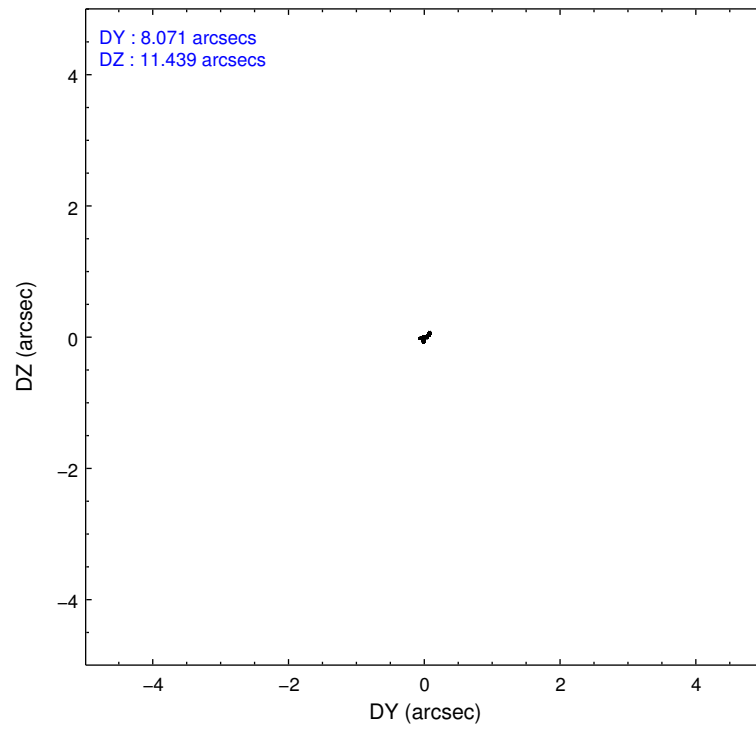
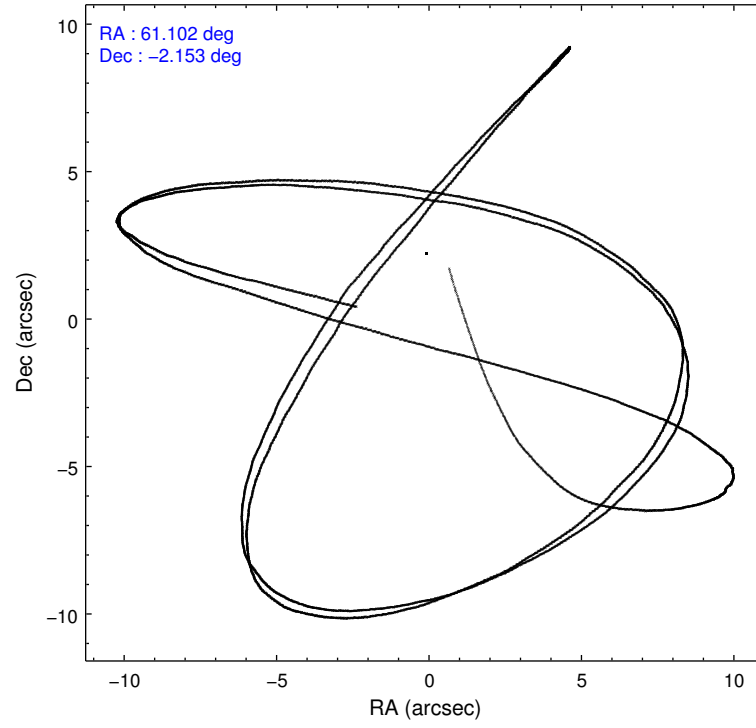
2.1.4 Events

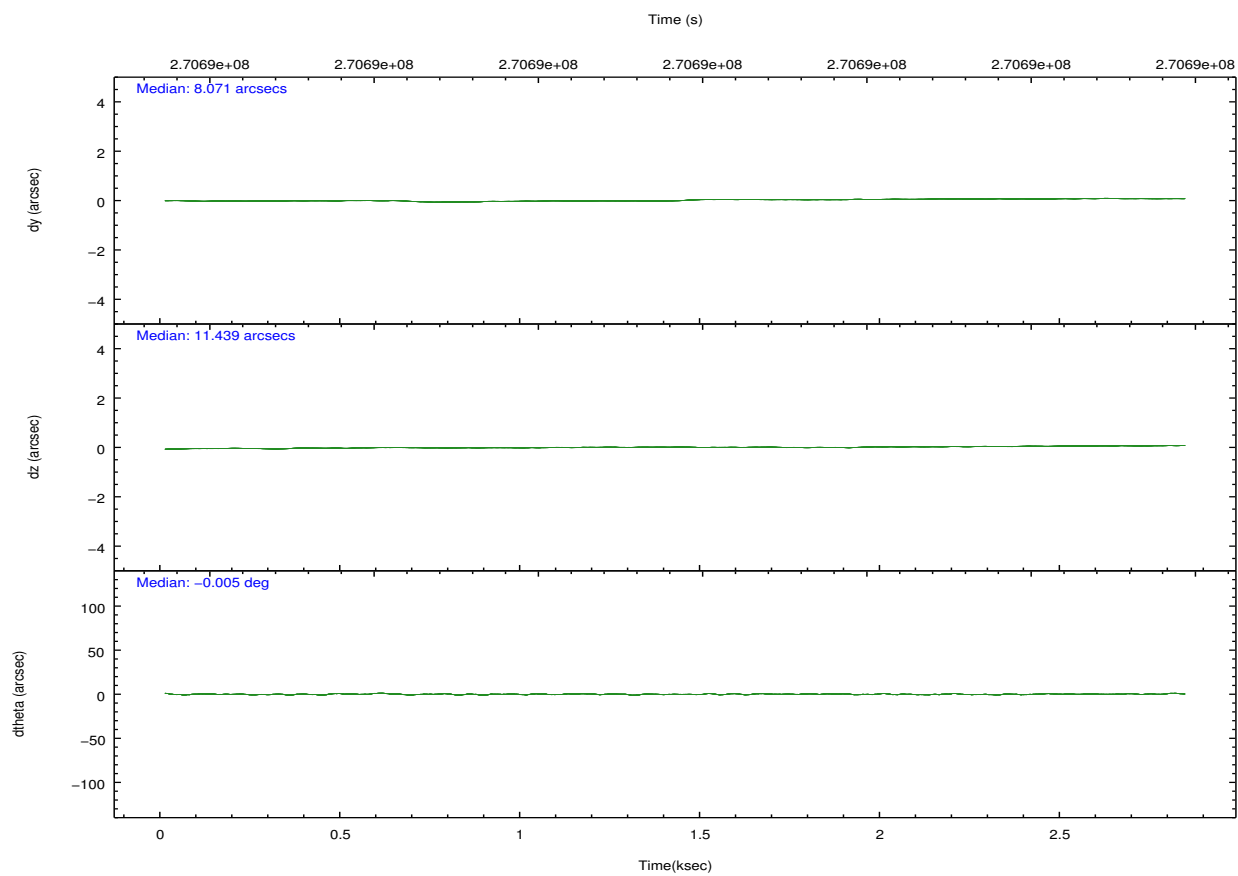
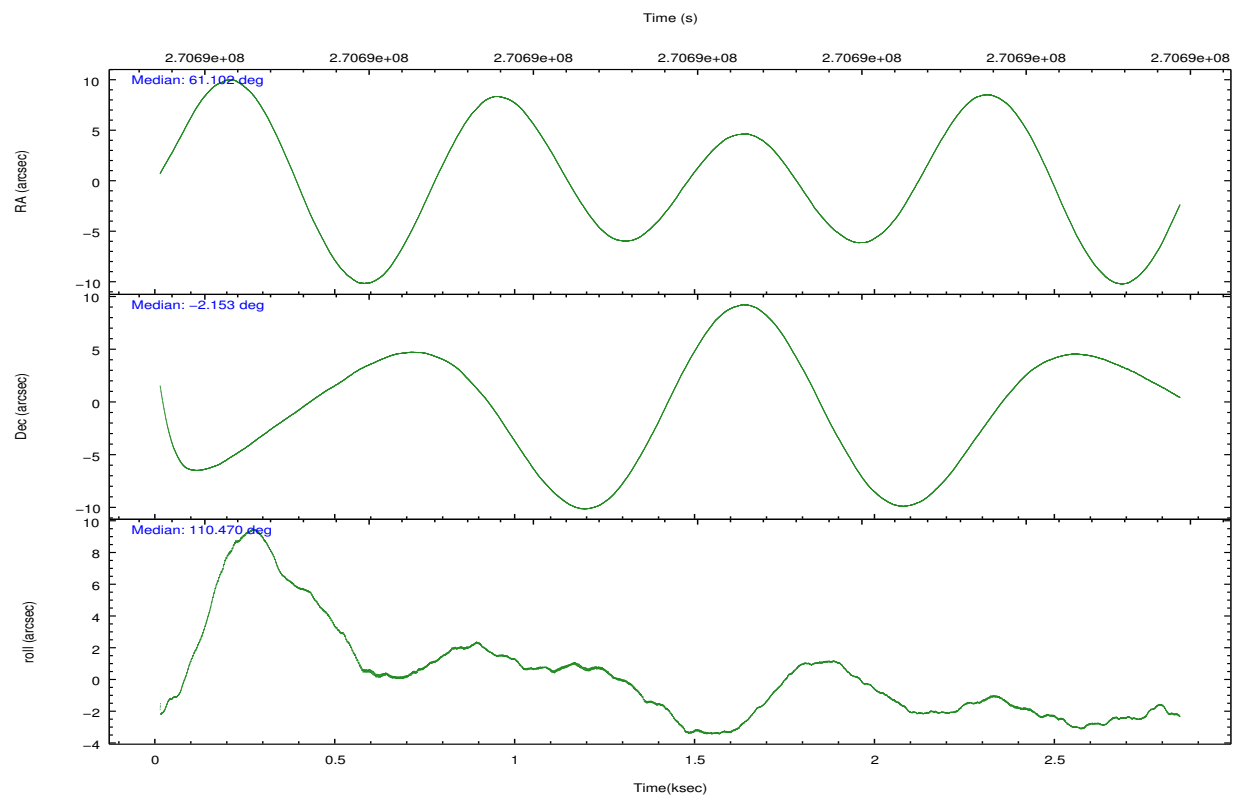
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	29315	28525	44774	27586	39102	36506	grade 0 events	1632	1432	2671	1340	1445	2531
rejected events	26204	25640	25852	24576	24558	29211		5%	5%	5%	4%	3%	6%
rejected %	89%	89%	57%	89%	62%	80%	grade 1 events	15	19	114	13	36	19
								0%	0%	0%	0%	0%	0%
							grade 2 events	692	631	6518	716	3245	1909
								2%	2%	14%	2%	8%	5%
							grade 3 events	309	320	786	360	1490	808
								1%	1%	1%	1%	3%	2%
							grade 4 events	309	315	765	323	1402	791
								1%	1%	1%	1%	3%	2%
							grade 5 events	1178	1259	3181	1327	3732	1799
								4%	4%	7%	4%	9%	4%
							grade 6 events	566	586	10721	697	8840	2181
								1%	2%	23%	2%	22%	5%
							grade 7 events	24614	23963	20018	22810	18912	26468
								83%	84%	44%	82%	48%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	61.123171	61.10189294812307	Subarray requested	NONE	NONE
[deg] Pointing Dec	-2.170043	-2.152935843966879	Alternating exposures requested	N	N
[deg] Pointing Roll	110.321579	110.4773866411064	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	270689141.184000	270687906.64033			
Observation start date	2006-07-30T23:24:36	2006-07-30T23:05:06			
[s] Observation end time (MET)	270691841.184000	270692607.29055			
Observation end date	2006-07-31T00:09:36	2006-07-31T00:23:27			
Read mode	TIMED	TIMED			

2.3 Aspect



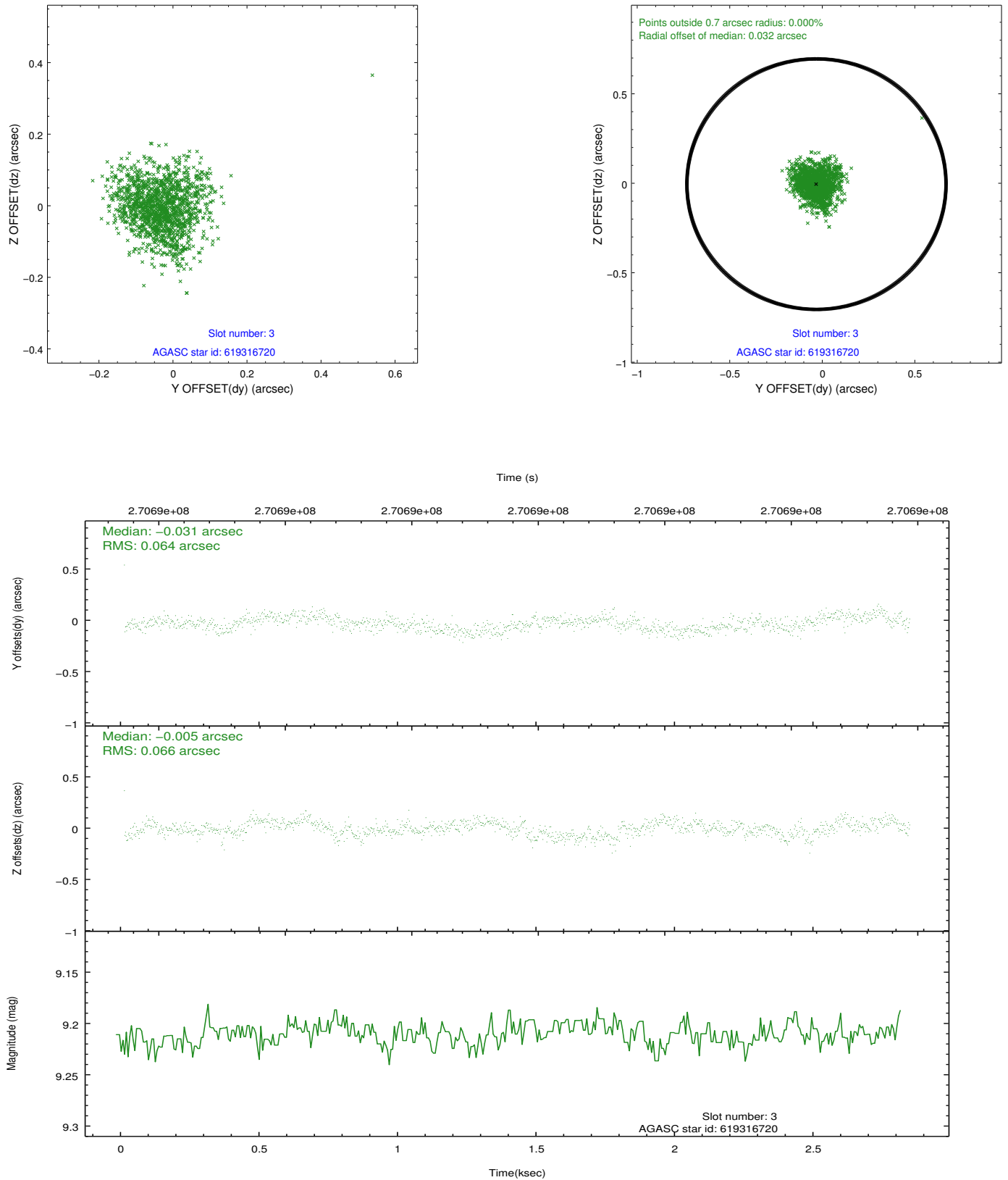


Slot Statistics

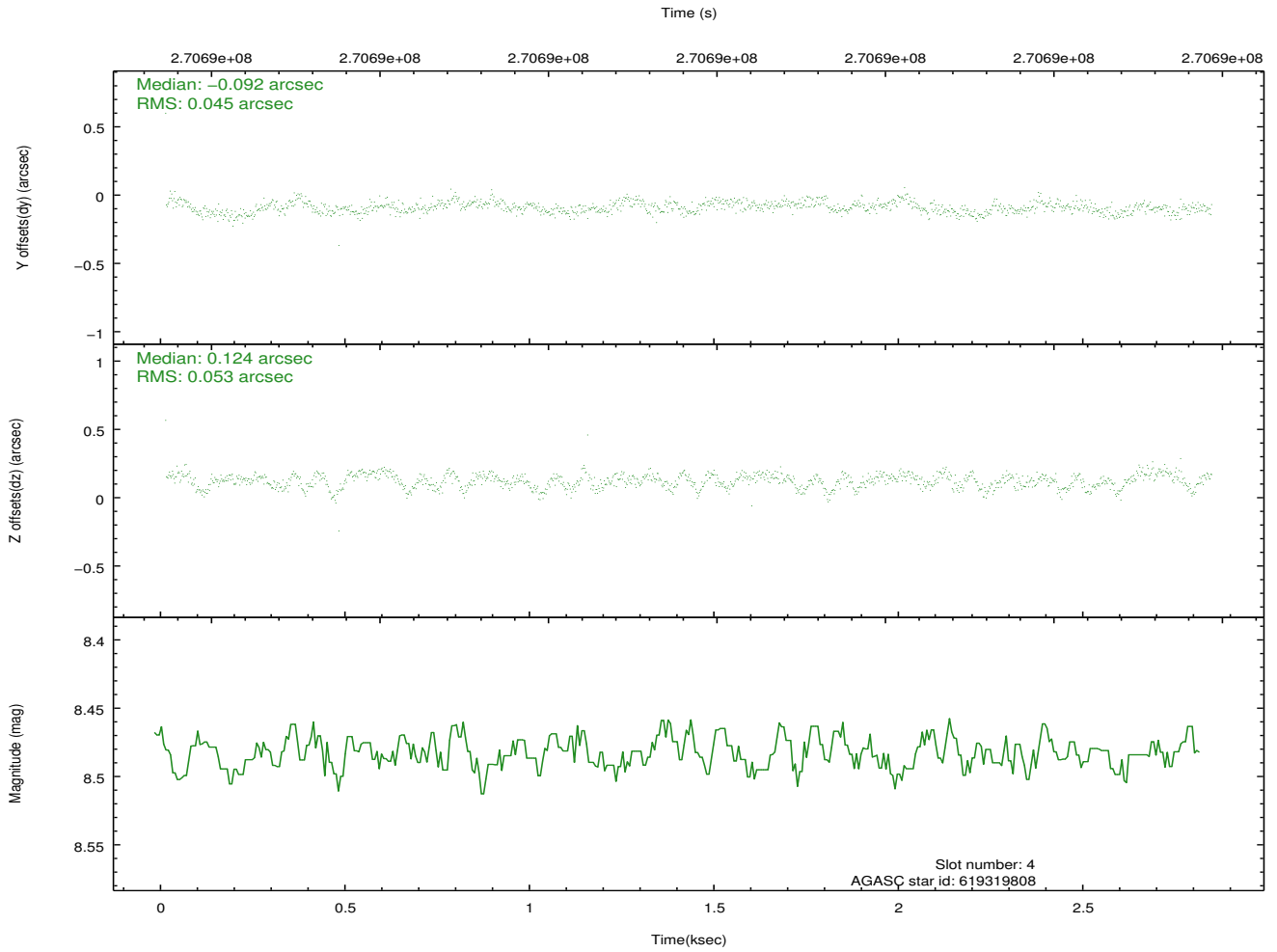
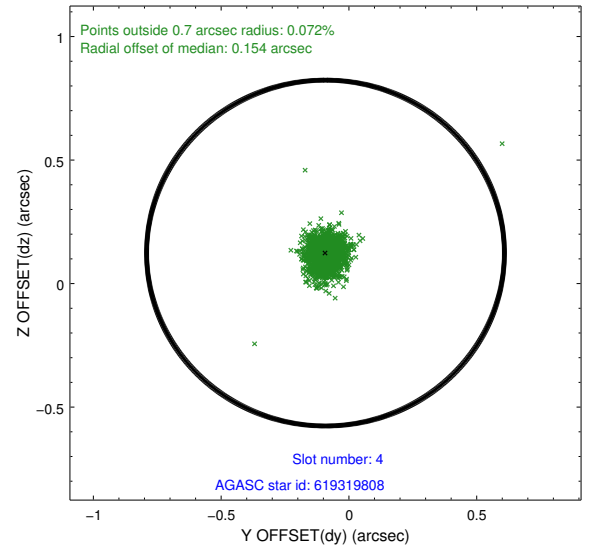
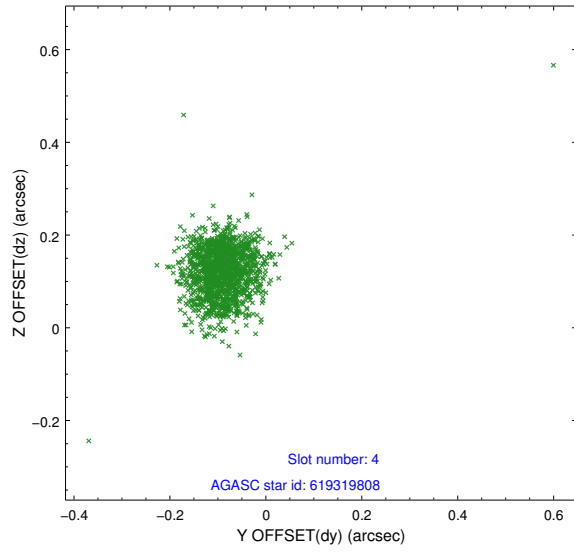
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	692	-0.032	-0.027	0.007	0.012	0.000000	0.000000	-760.88	-1732.71
1	FID	ACIS-S-4	7.21	692	0.126	0.022	0.006	0.011	0.000000	0.000000	2151.50	173.51
2	FID	ACIS-S-5	7.23	692	-0.125	0.013	0.007	0.012	0.000000	0.000000	-1810.93	169.70
3	GUIDE	619316720	9.21	1383	-0.031	-0.005	0.097	0.153	61.293026	-1.780606	1102.71	-1059.79
4	GUIDE	619319808	8.48	1383	-0.092	0.124	0.070	0.109	61.673802	-1.914506	175.36	-2177.70
5	GUIDE	619322984	8.66	1383	0.065	0.085	0.095	0.148	61.843263	-2.367182	-1565.11	-2184.05
6	GUIDE	619710304	9.40	1381	0.140	-0.264	0.088	0.143	61.029305	-2.614859	-1385.40	870.93
7	GUIDE	619324192	7.83	1383	-0.079	0.061	0.055	0.091	61.291398	-1.897195	710.07	-907.72

2.4 Star Slots

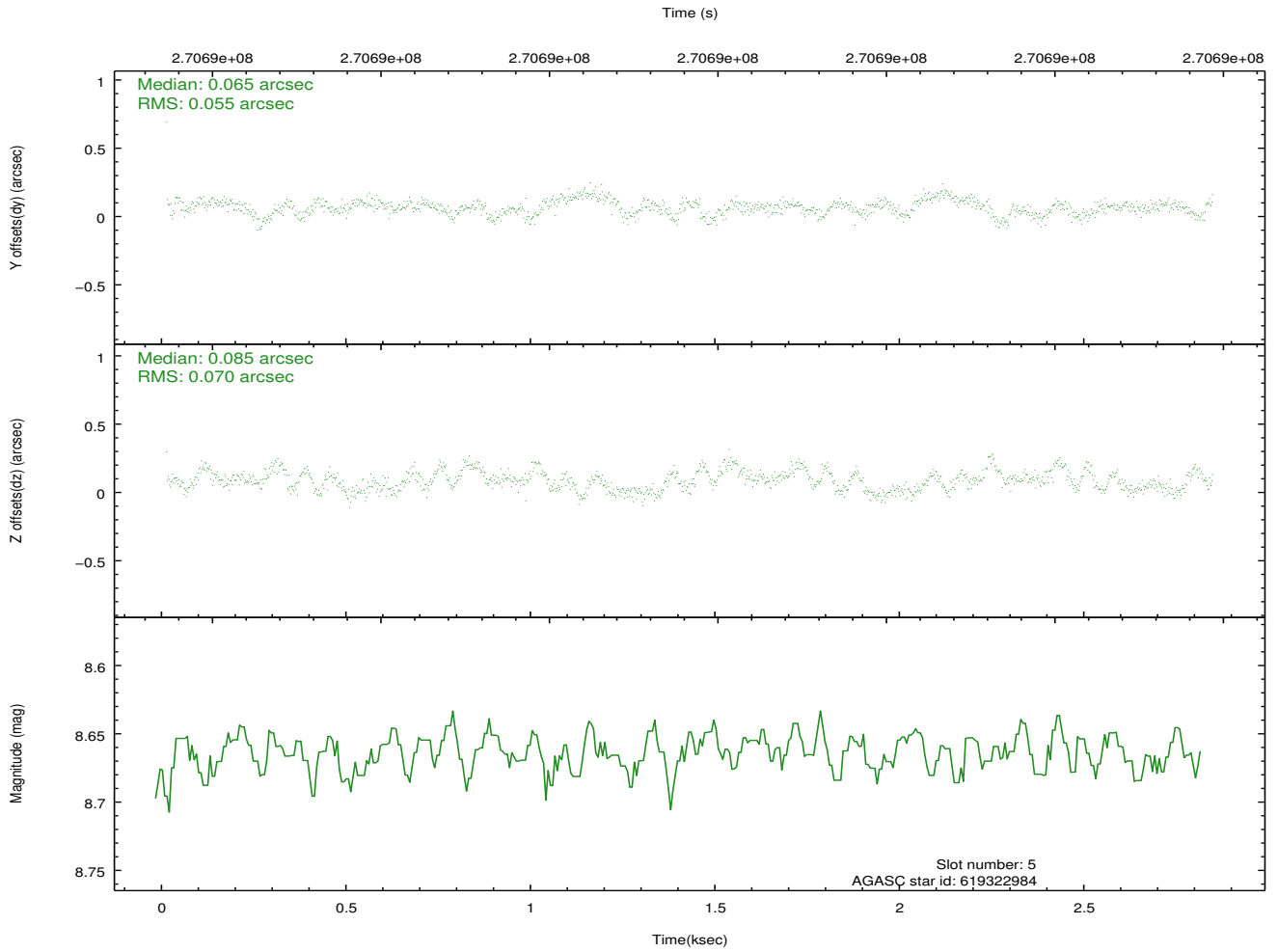
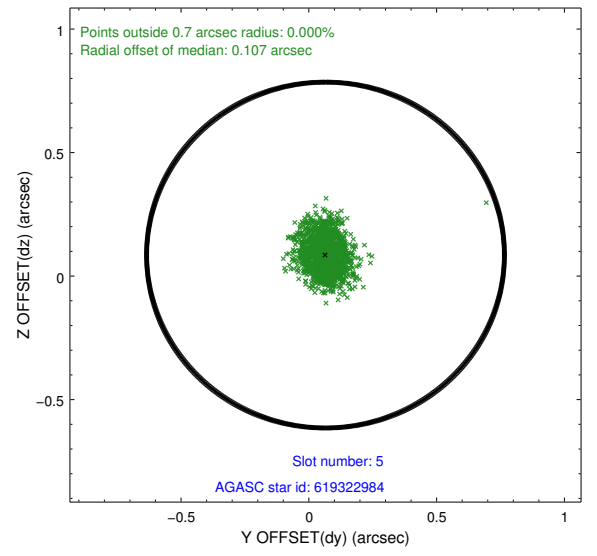
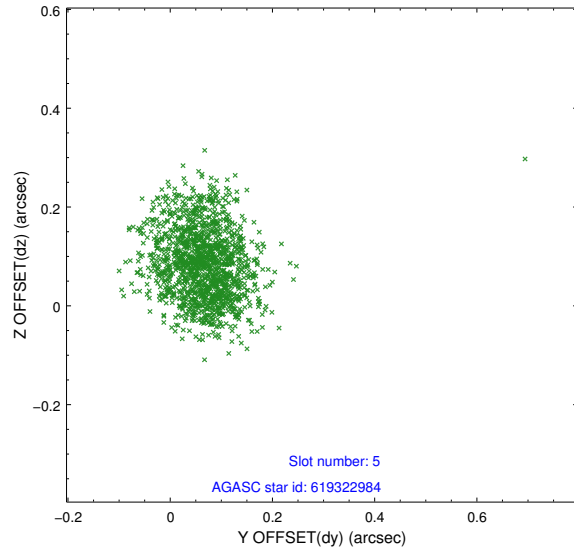
2.4.1 Slot 3



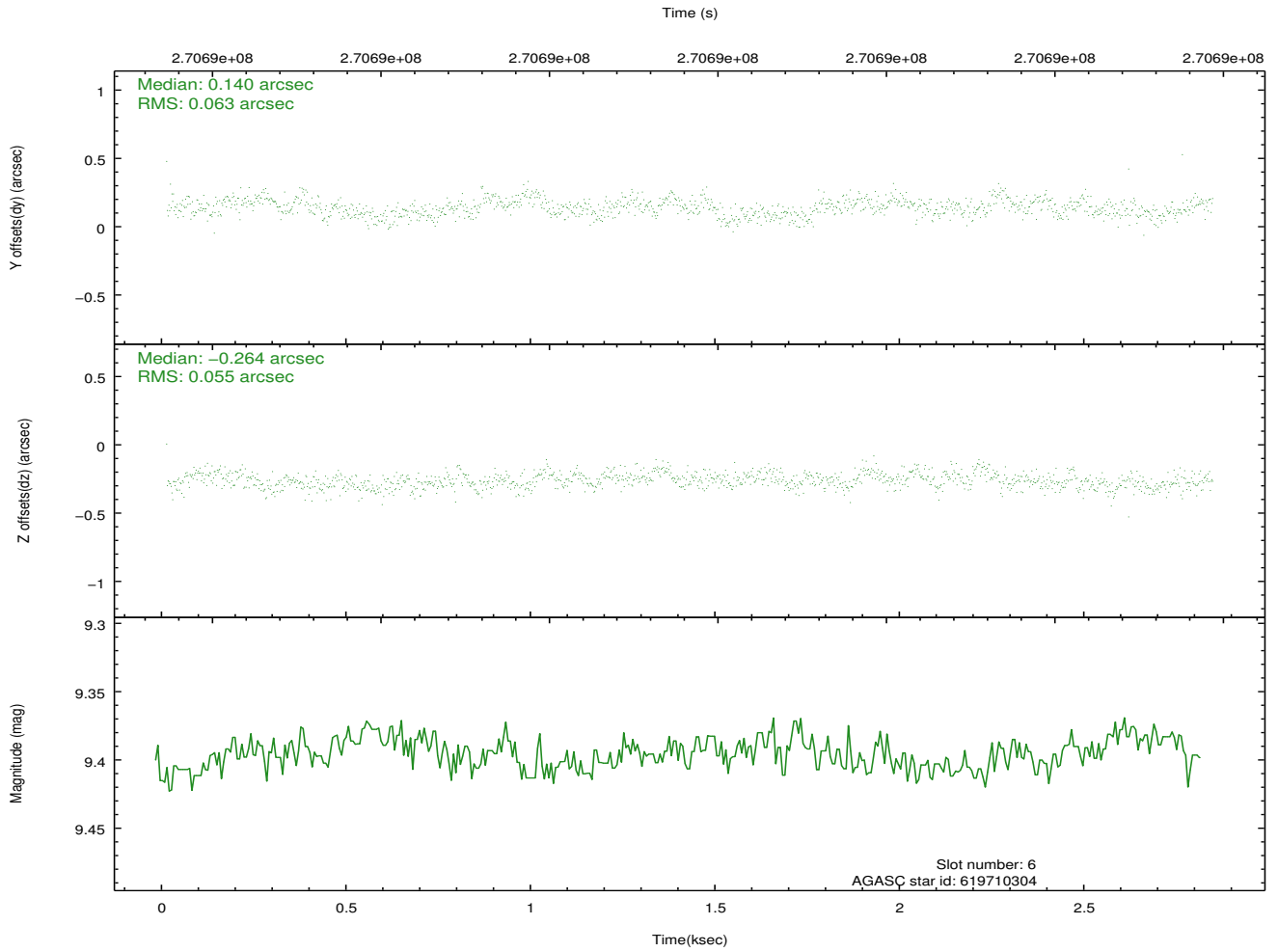
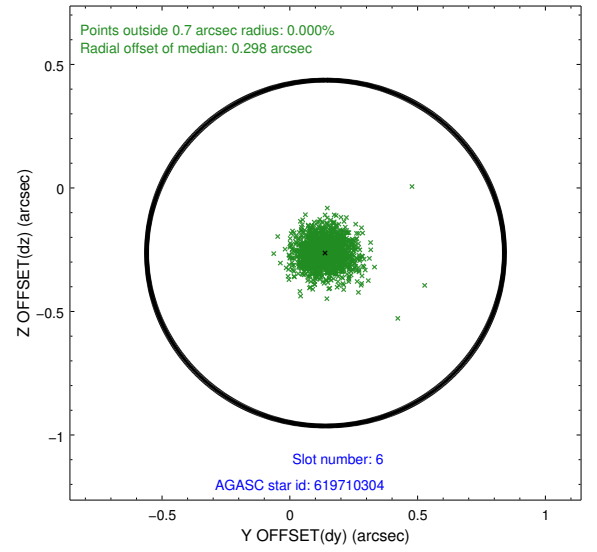
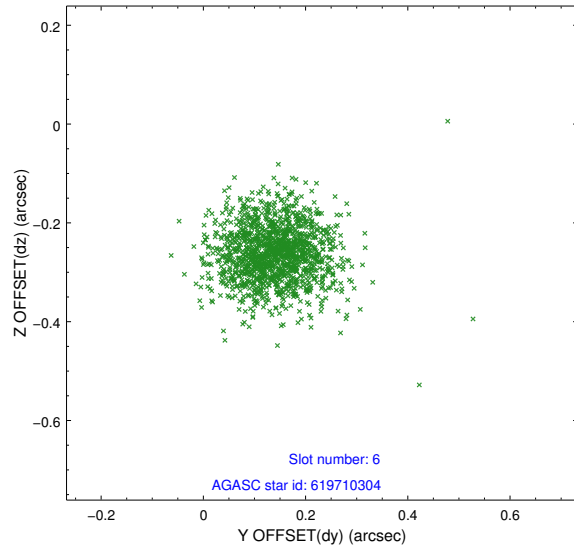
2.4.2 Slot 4



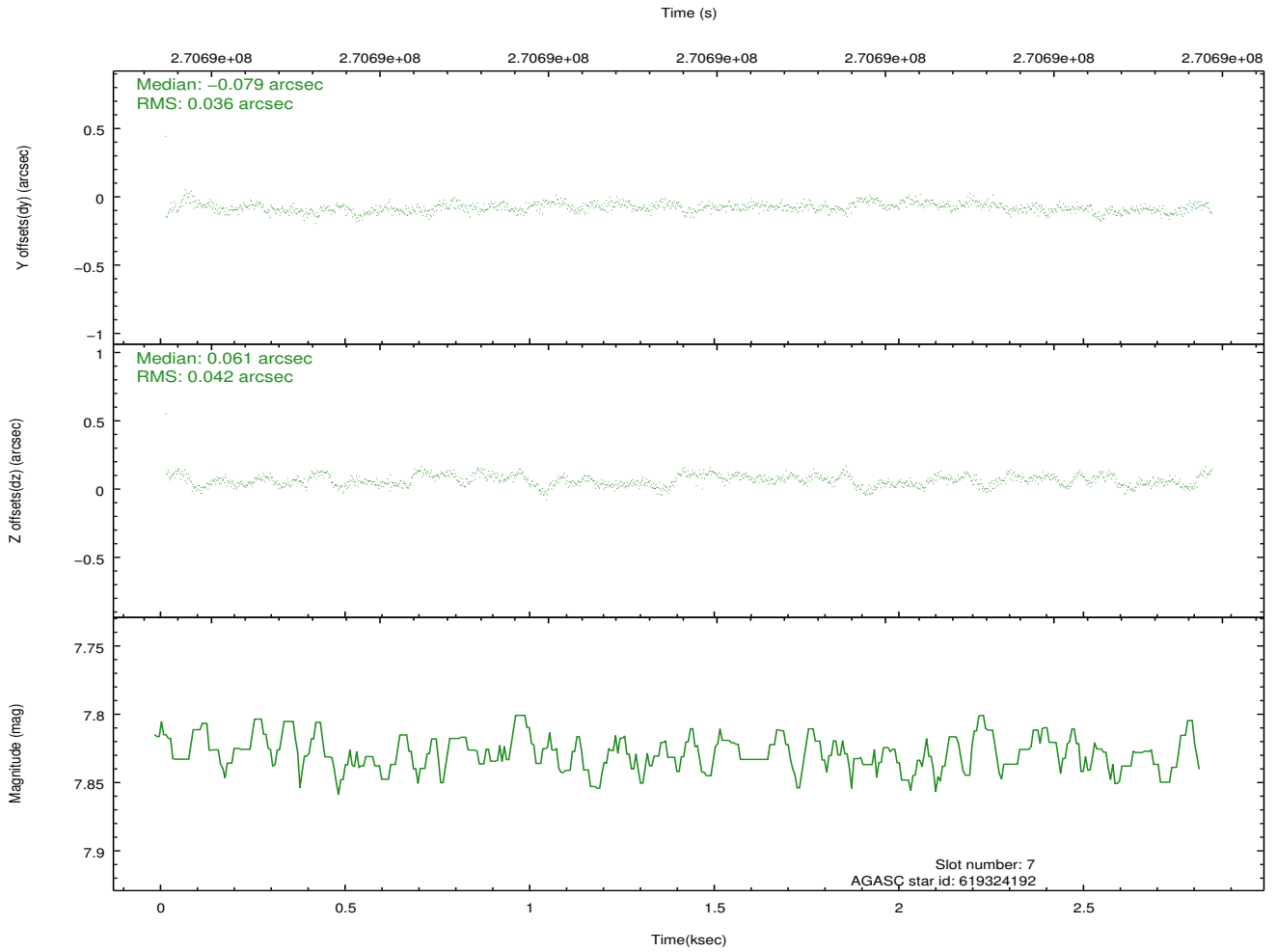
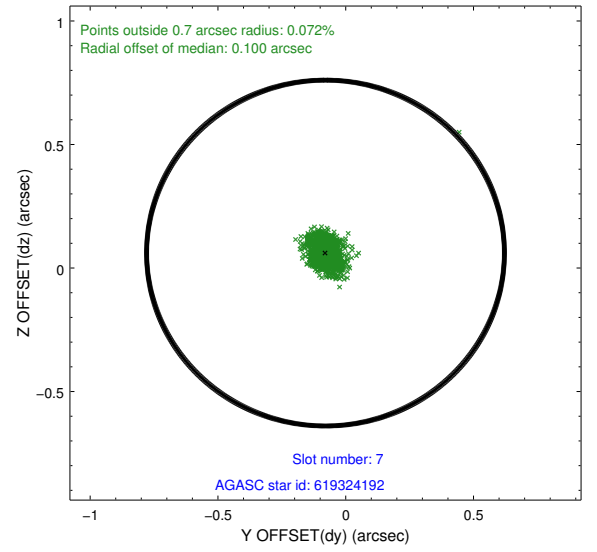
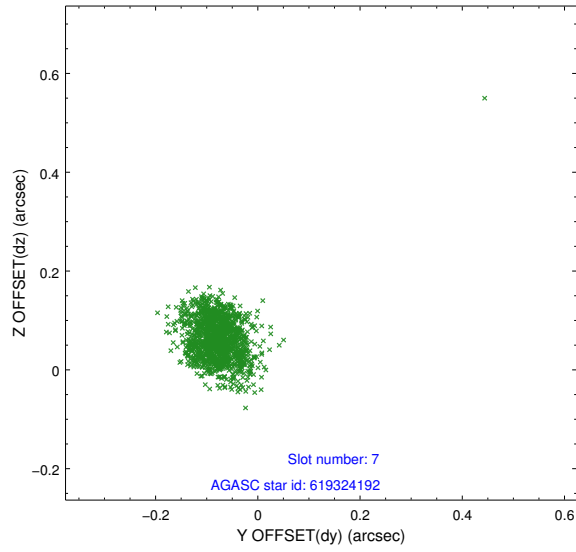
2.4.3 Slot 5



2.4.4 Slot 6

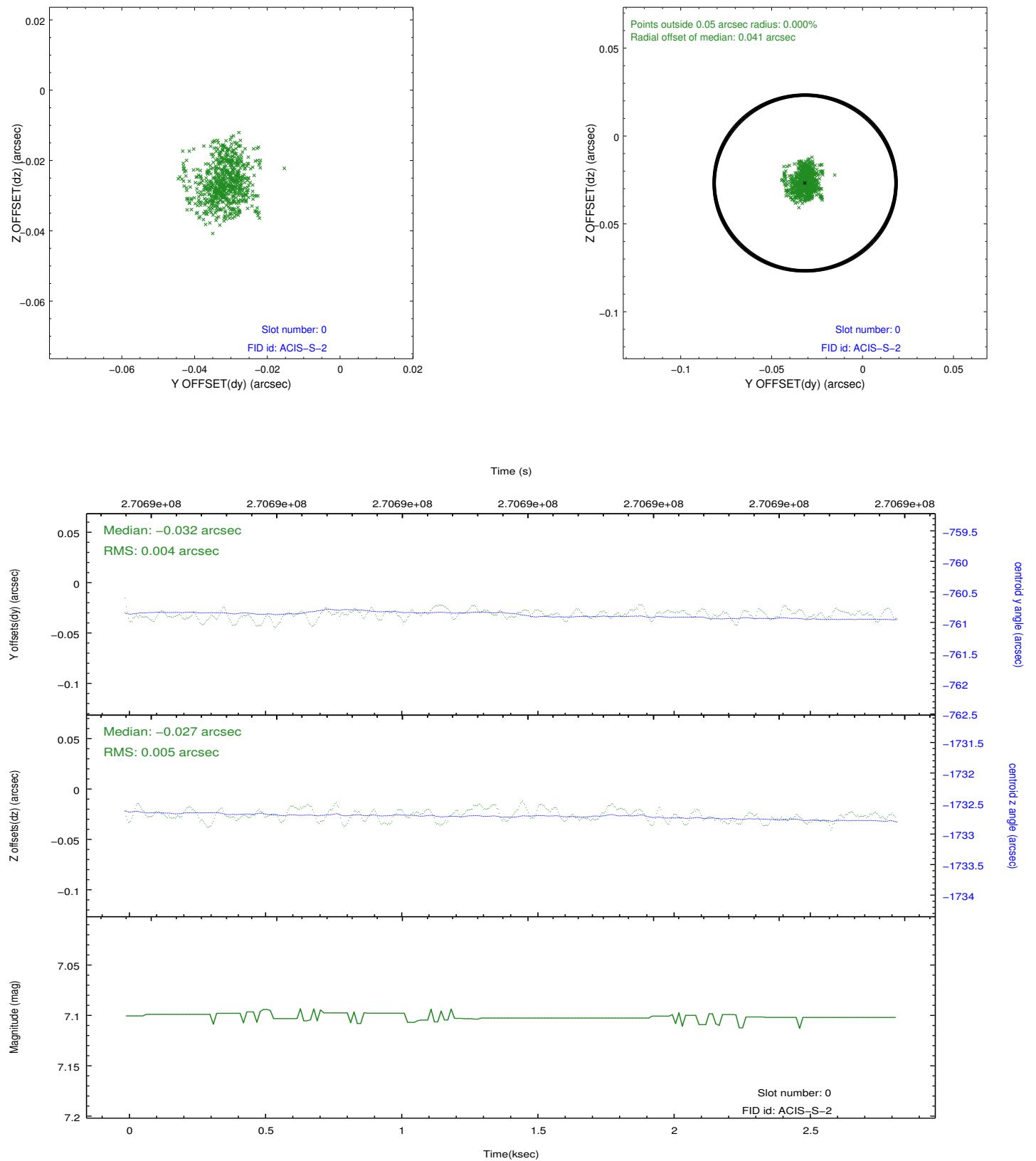


2.4.5 Slot 7

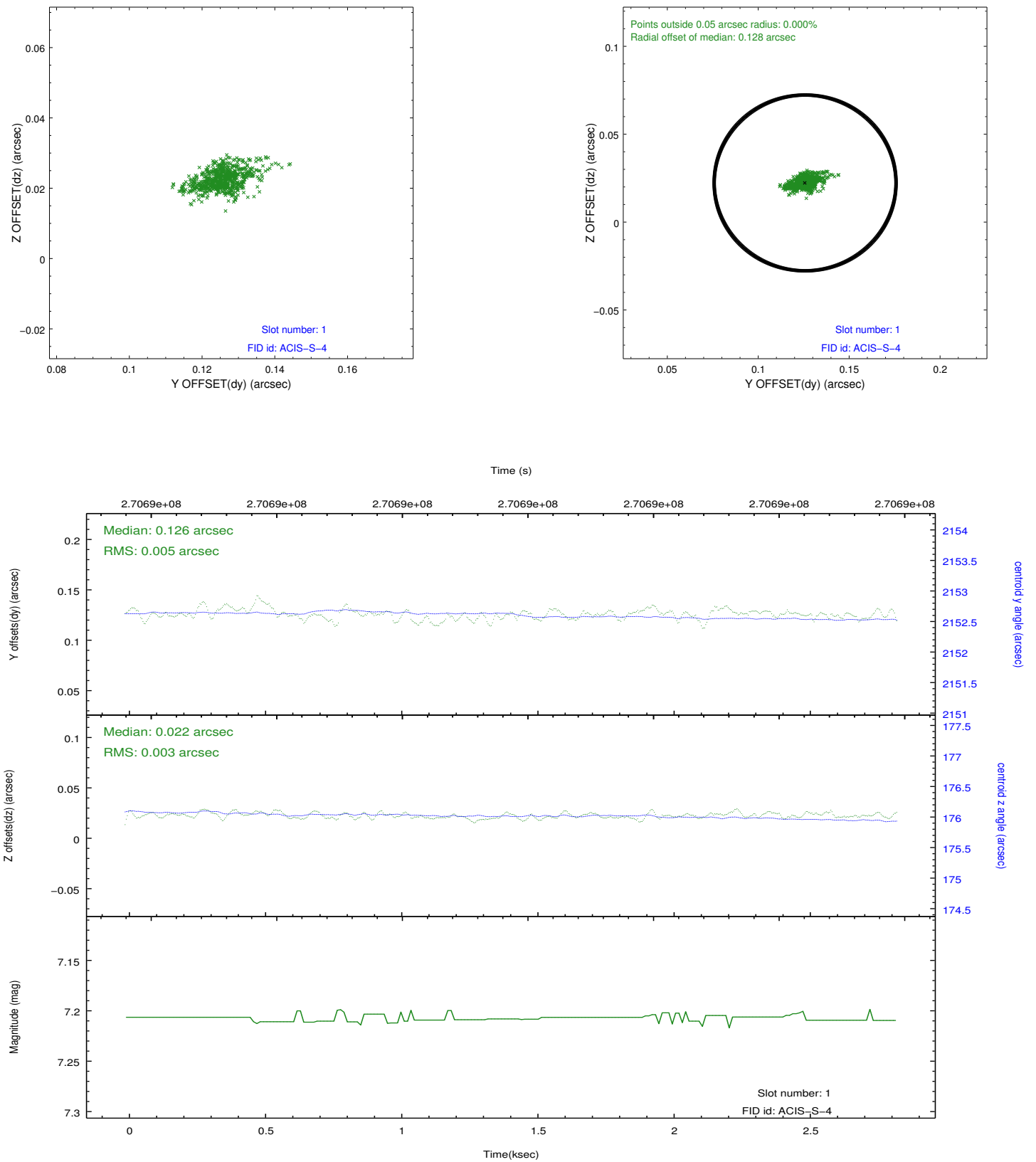


2.5 FID Slots

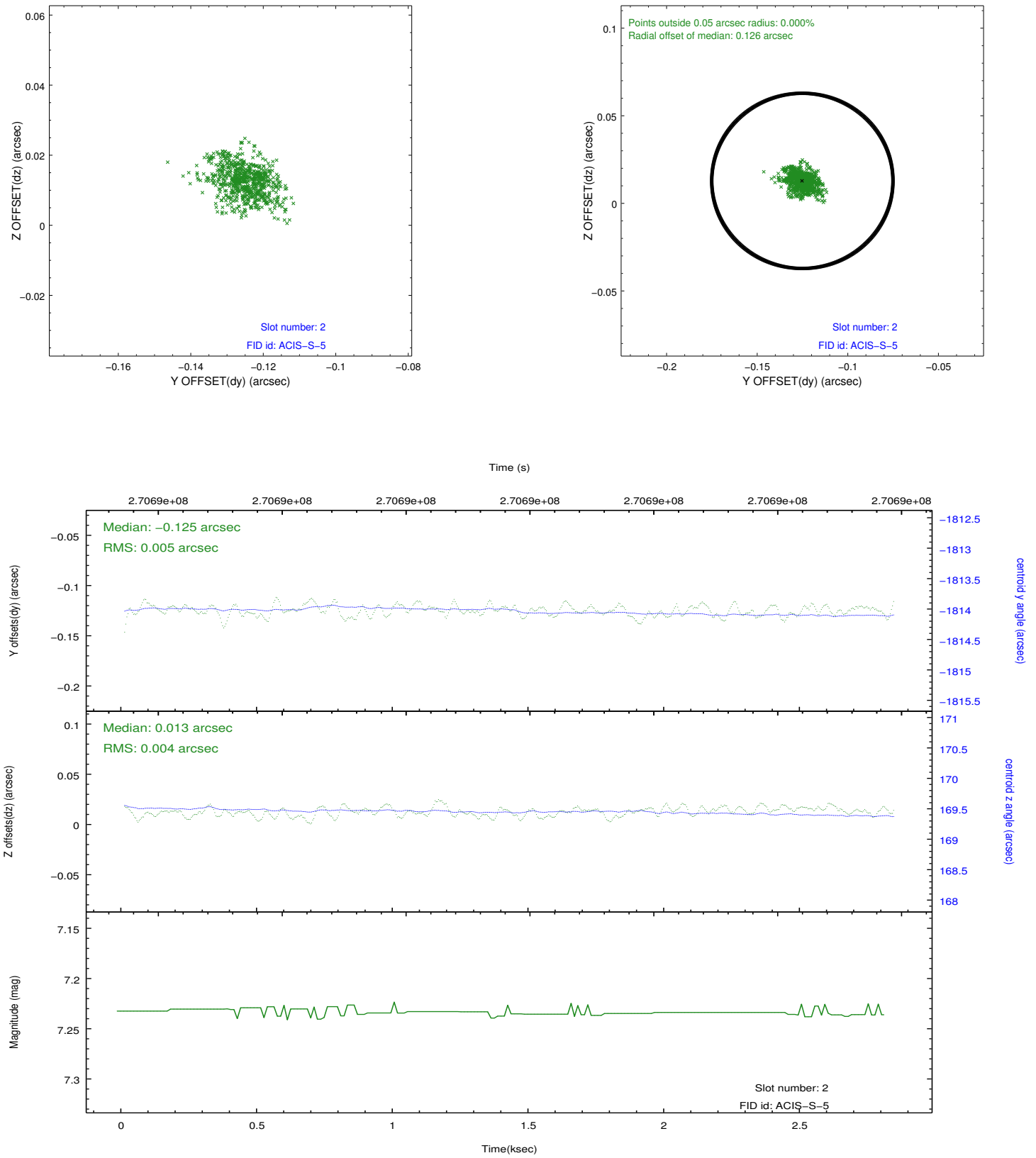
2.5.1 Slot 0



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)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.82879998

A.2 Comments