

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13785 - L2 Version 1
Chandra X-Ray Center

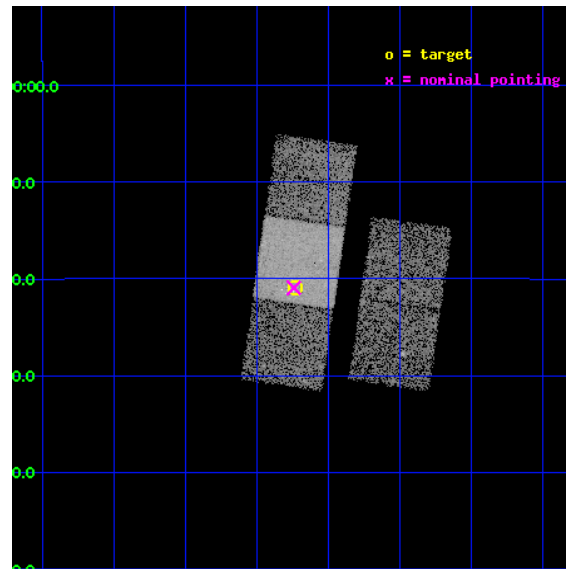
L2 Processing Date : Feb 29 2012

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1 Front

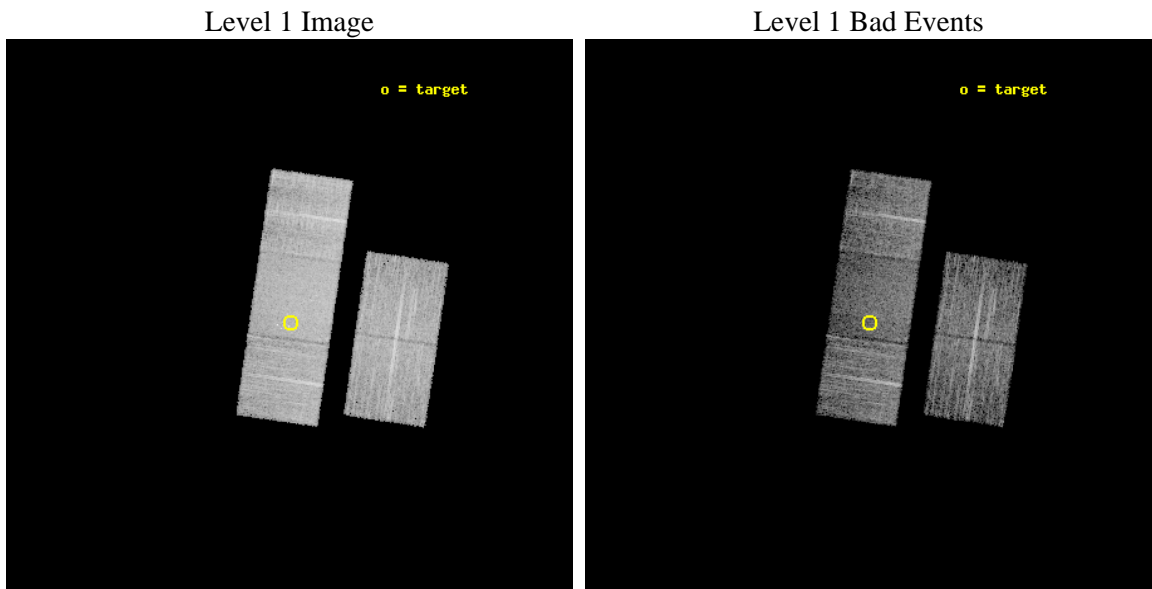
seq_num	501617	Sequence number
obs_id	13785	Observation id
title	The Energetics and Environments of Type Ibc Supernovae	Proposal ti
observer	Prof. Alicia Soderberg	Principal investigator
object	PSN J05001372-0320512	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	75.057167	Observer's specified target RA [deg]
dec_targ	-3.347556	Observer's specified target Dec [deg]
ra_nom	75.059959326304	Nominal RA [deg]
dec_nom	-3.3487962253018	Nominal Dec [deg]
roll_nom	278.29377584547	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10065.700077415	Sum of GTIs [s]
livetime	9934.1842956425	Livetime [s]
ontime2	10065.700077415	Sum of GTIs [s]
ontime3	10062.559107065	Sum of GTIs [s]
ontime6	10065.700077415	Sum of GTIs [s]
ontime7	10065.700077415	Sum of GTIs [s]
ontime8	10065.700077415	Sum of GTIs [s]
l2events	57944	Number of level 2 events



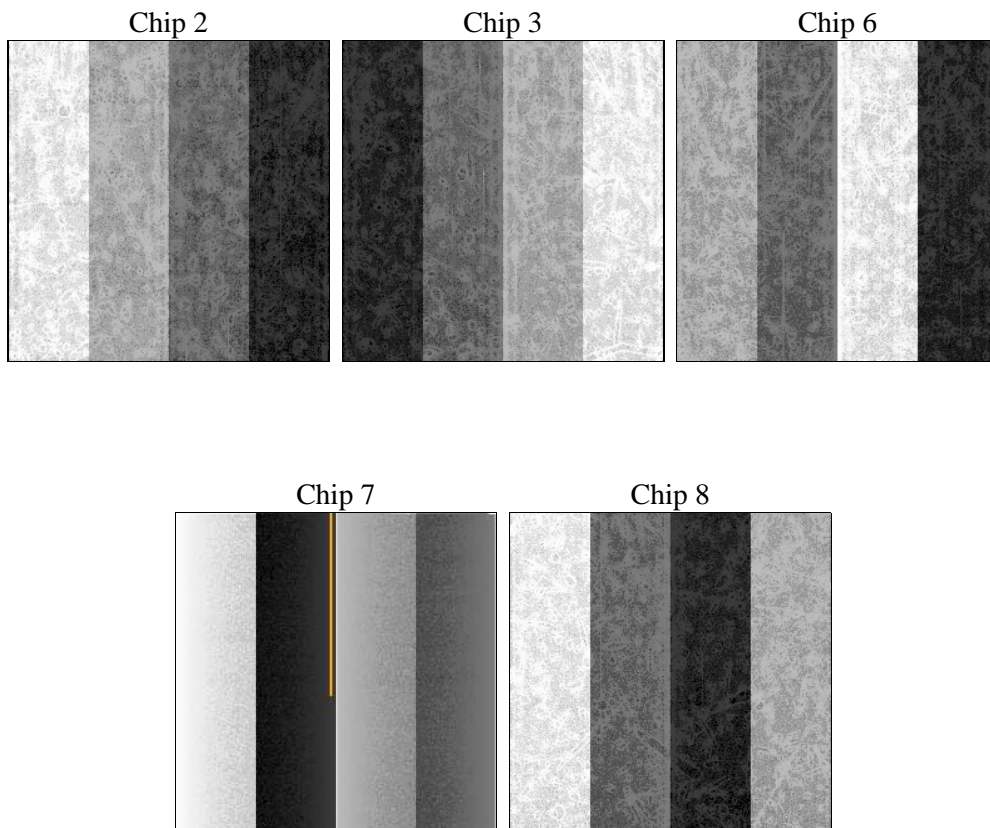
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.326000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	10065.700077415	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	10065.700077415	Sum of GTIs [s]
date	2012-02-29T16:24:13	Date and time of file creation	ontime3	10062.559107065	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10065.700077415	Sum of GTIs [s]
			ontime7	10065.700077415	Sum of GTIs [s]
			ontime8	10065.700077415	Sum of GTIs [s]
			l1events	327157	Number of level 1 events

2.1.4 Events

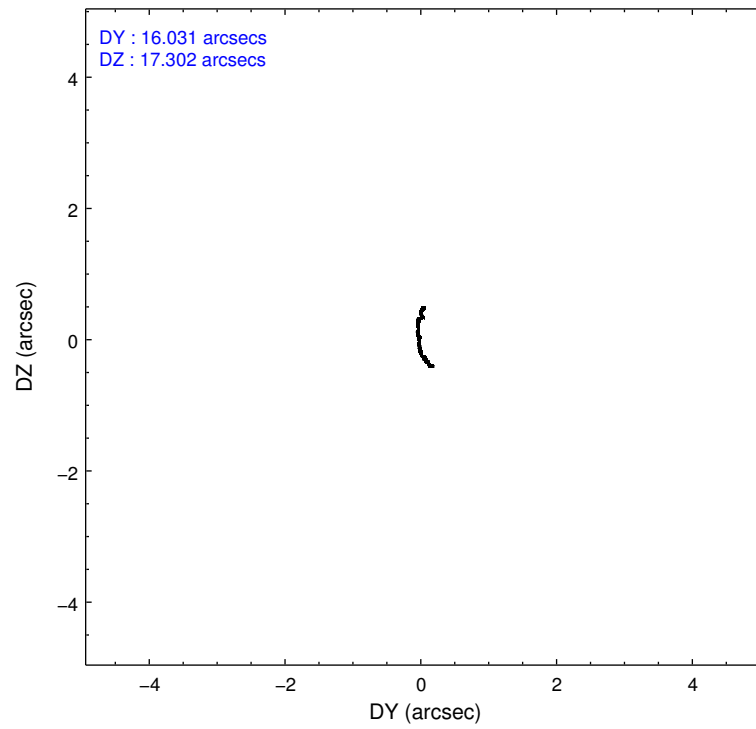
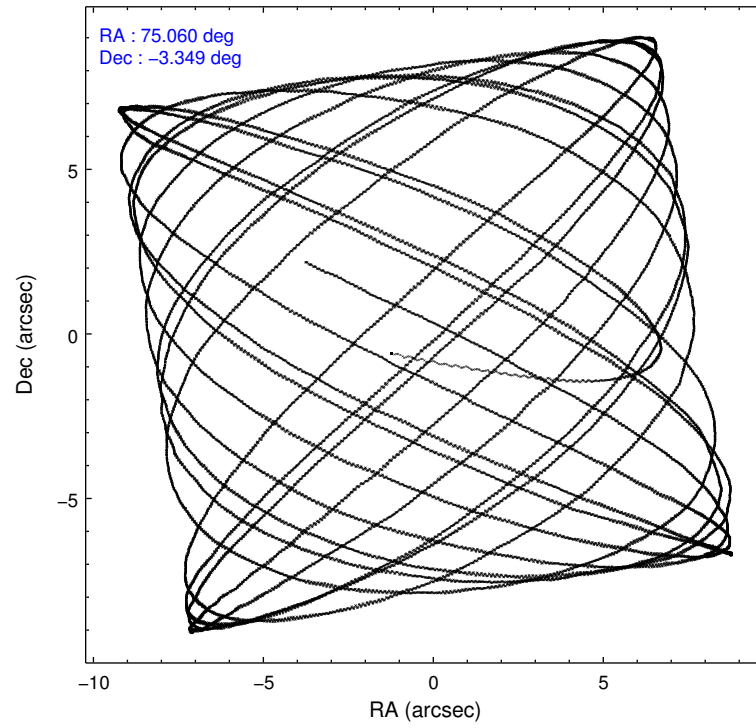
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	55175	57405	61841	76492	76244
rejected events	48559	51167	54902	42078	55633
rejected %	88%	89%	88%	55%	72%

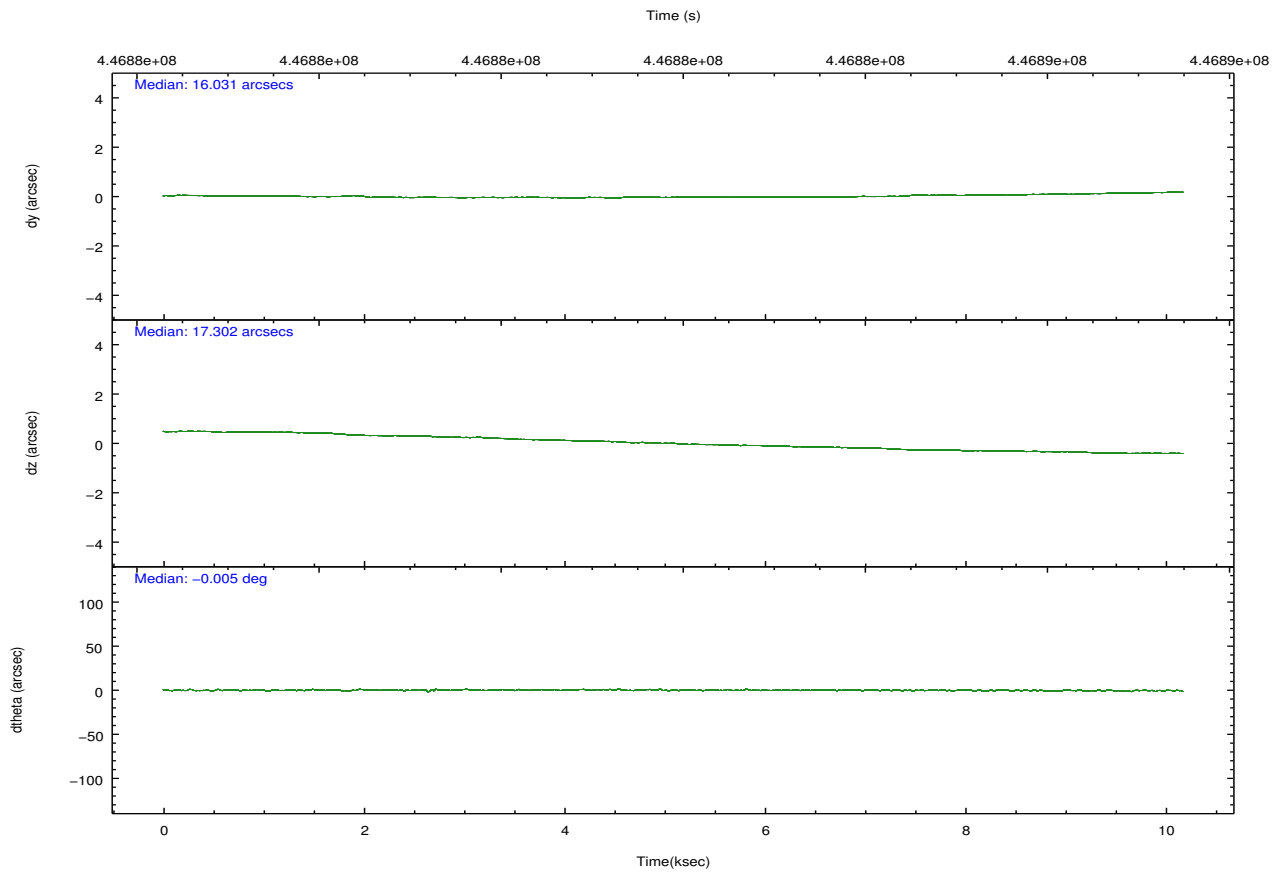
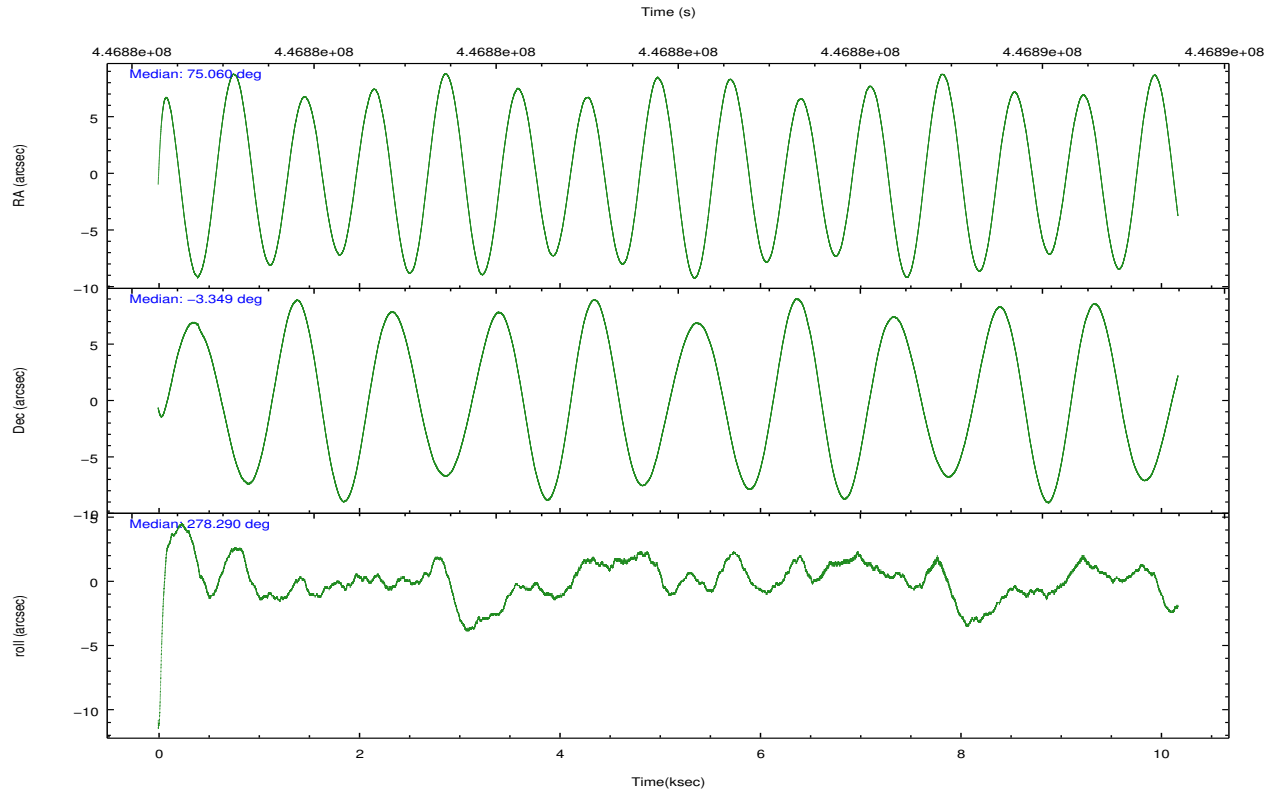
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2474	2269	2493	3191	6390
	4%	3%	4%	4%	8%
grade 1 events	38	40	34	76	65
	0%	0%	0%	0%	0%
grade 2 events	1573	1333	1532	7069	4802
	2%	2%	2%	9%	6%
grade 3 events	665	638	710	3029	2134
	1%	1%	1%	3%	2%
grade 4 events	690	666	674	3021	2101
	1%	1%	1%	3%	2%
grade 5 events	2287	2890	2897	7761	4125
	4%	5%	4%	10%	5%
grade 6 events	1215	1335	1530	18116	5185
	2%	2%	2%	23%	6%
grade 7 events	46233	48234	51971	34229	51442
	83%	84%	84%	44%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	75.042666	75.05995932630374	Subarray requested	NONE	NONE
[deg] Pointing Dec	-3.327574	-3.34879622530178	Alternating exposures requested	N	N
[deg] Pointing Roll	278.136155	278.2937758454746	[s] Primary exposure time	0.000000	3.1
[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)	446876965.184000	446875520.2913			
Observation start date	2012-02-29T04:28:19	2012-02-29T04:05:20			
[s] Observation end time (MET)	446886965.184000	446887190.94192			
Observation end date	2012-02-29T07:14:59	2012-02-29T07:19:50			
Read mode	TIMED	TIMED			

2.3 Aspect



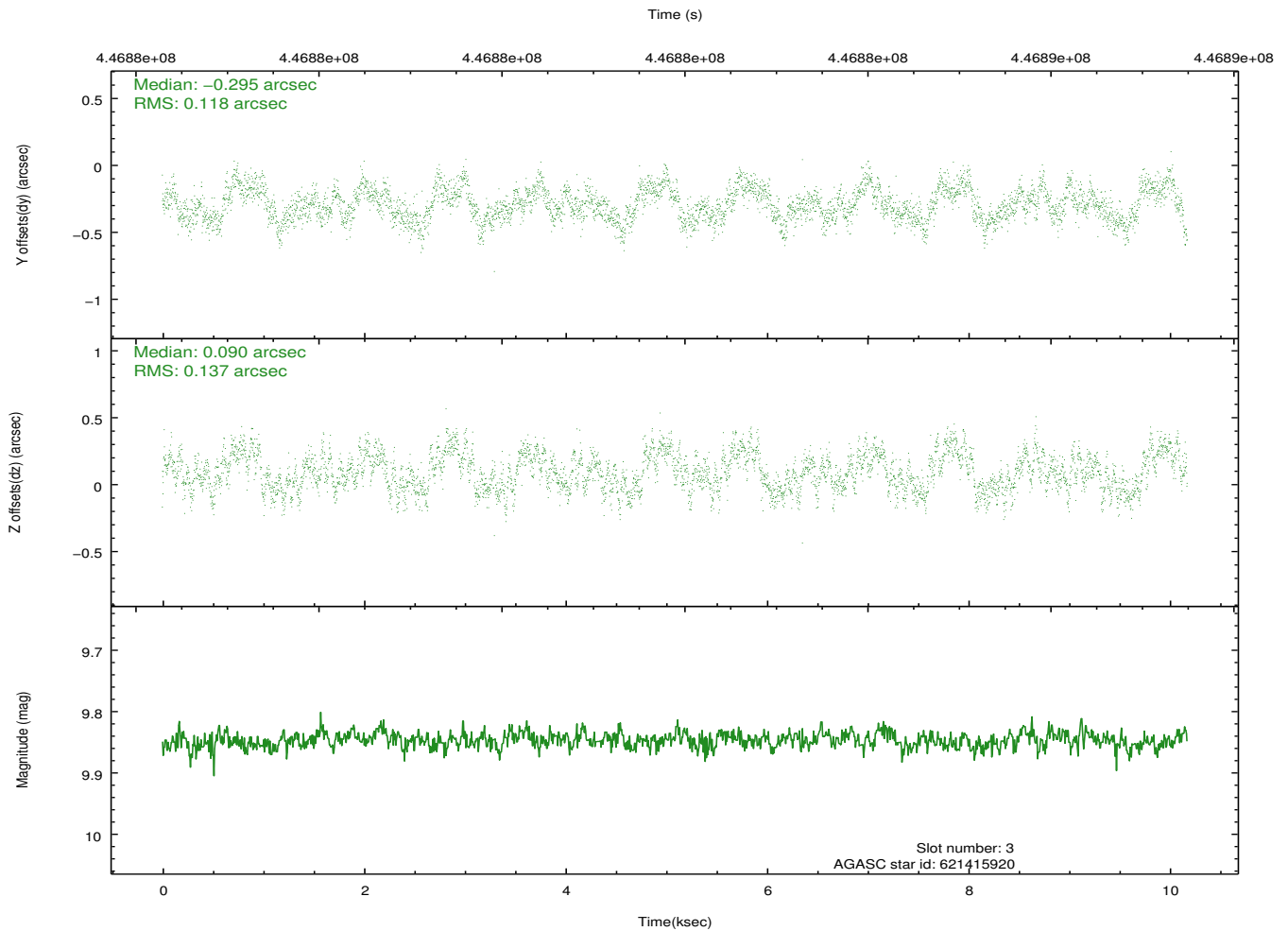
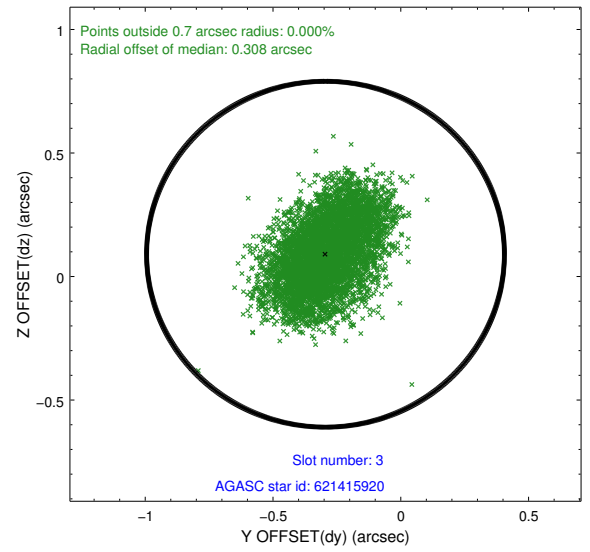
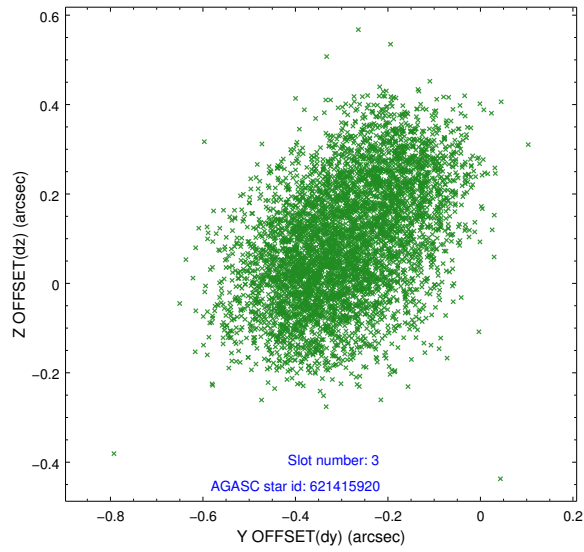


Slot Statistics

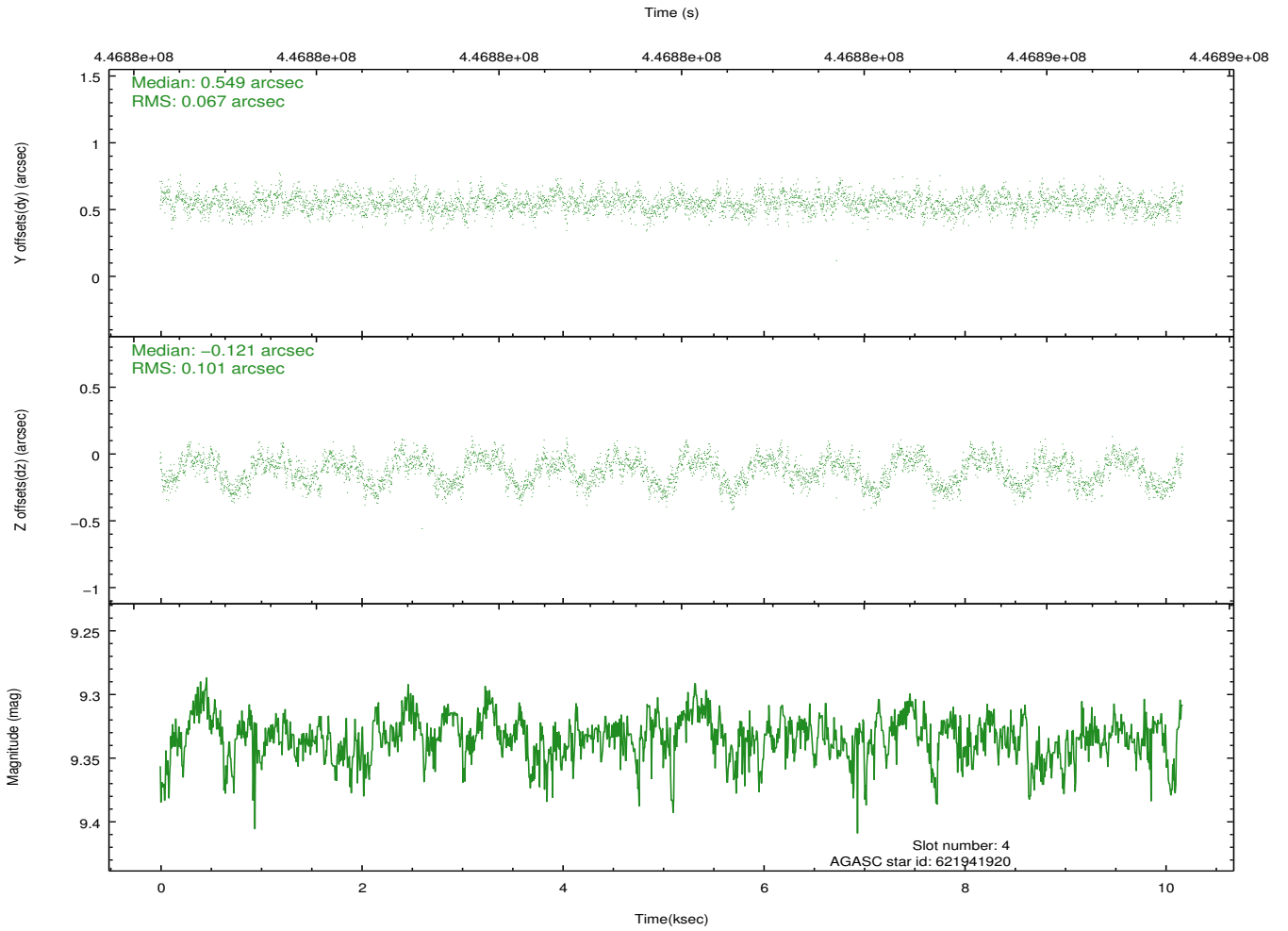
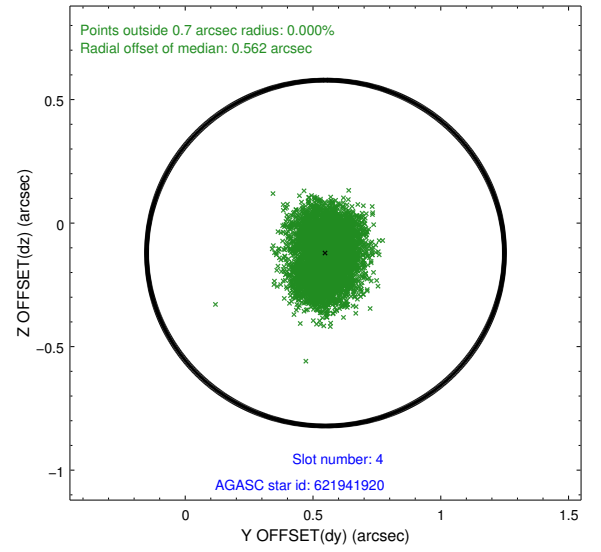
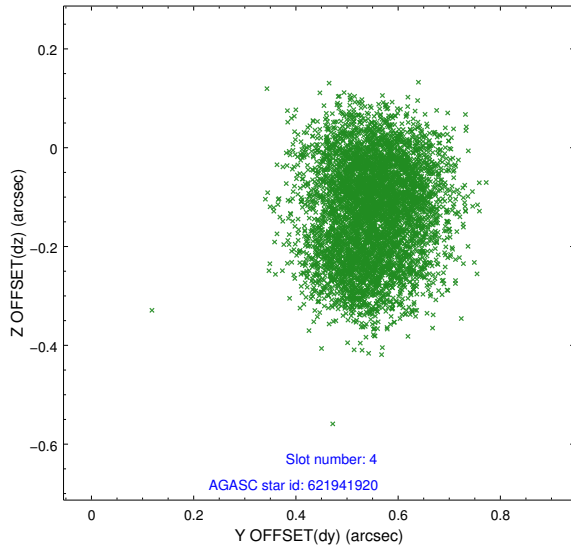
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.96	2482	0.098	-0.079	0.019	0.029	0.000000	0.000000	927.06	-1734.48
1	FID	ACIS-S-5	7.00	2481	-0.134	0.068	0.007	0.012	0.000000	0.000000	-1821.85	162.72
2	FID	ACIS-S-6	7.10	2482	0.014	0.023	0.022	0.033	0.000000	0.000000	392.01	807.19
3	GUIDE	621415920	9.85	4955	-0.295	0.090	0.197	0.303	74.325688	-2.813322	-2196.42	-2290.36
4	GUIDE	621941920	9.33	4961	0.549	-0.121	0.133	0.202	74.663137	-3.816425	1550.14	-1599.08
5	GUIDE	623120128	8.71	4962	-0.345	0.091	0.082	0.140	75.410714	-2.720705	-1974.76	1619.28
6	GUIDE	623643792	9.47	4949	0.017	0.023	0.124	0.200	75.391736	-3.845356	2023.03	978.22
7	GUIDE	623648400	9.70	4930	0.070	-0.076	0.143	0.237	75.237253	-3.972844	2399.33	363.60

2.4 Star Slots

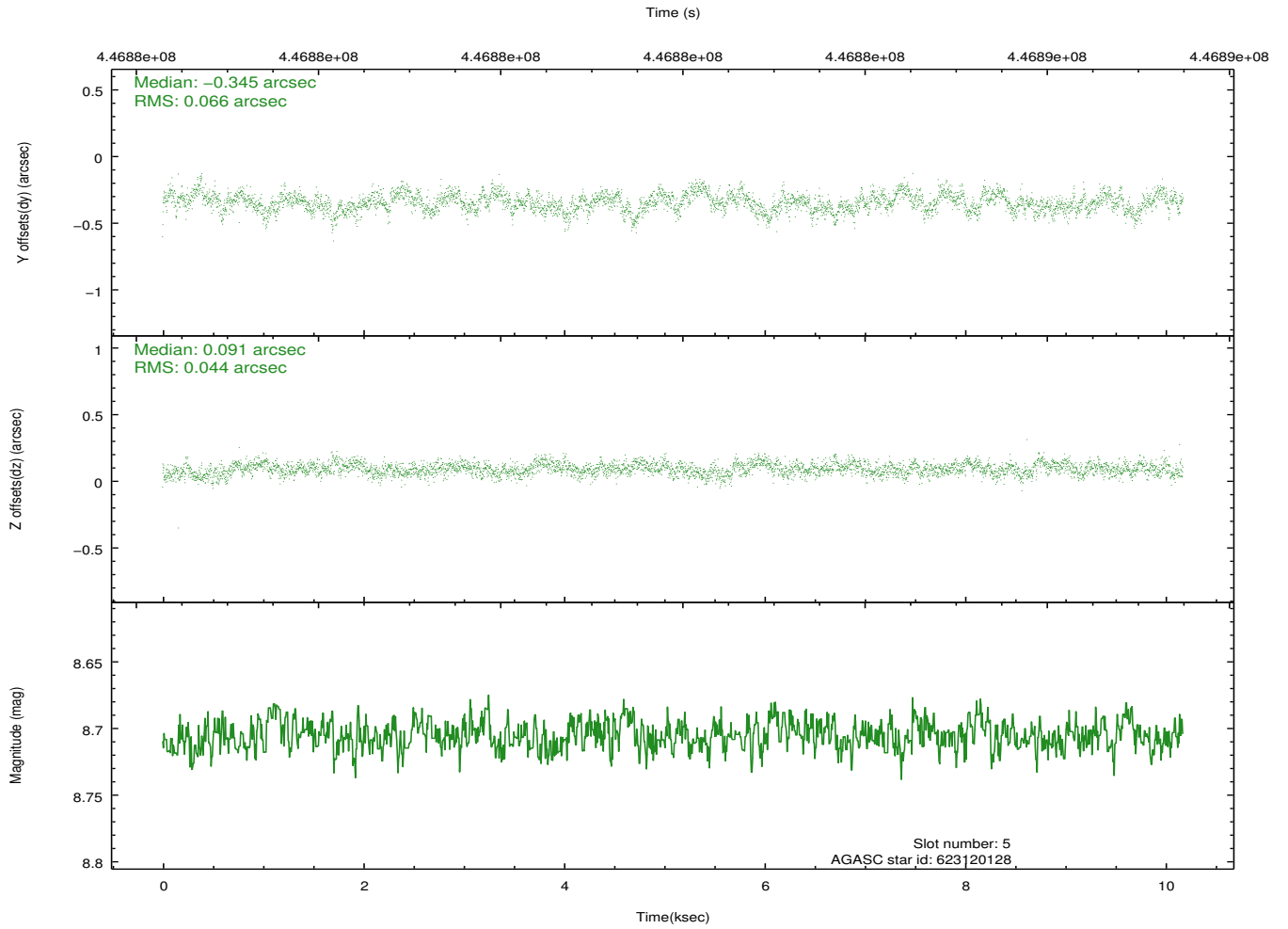
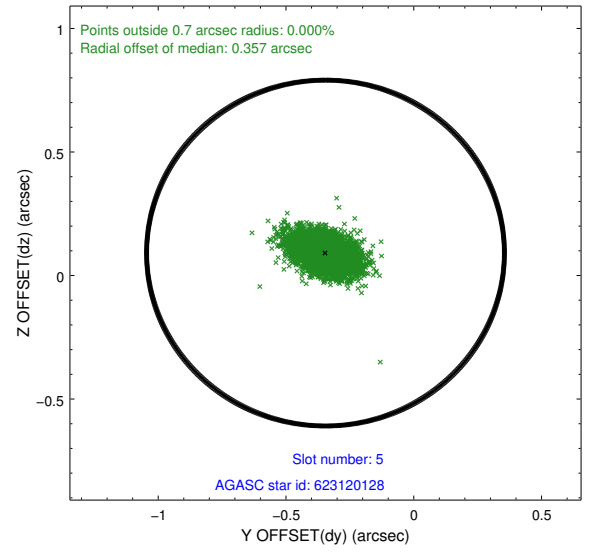
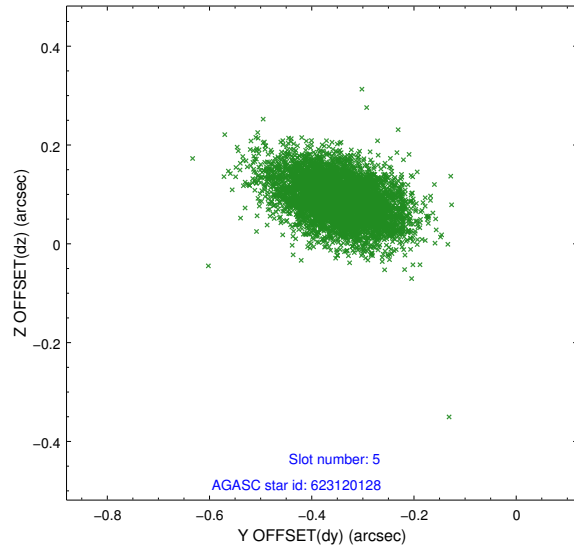
2.4.1 Slot 3



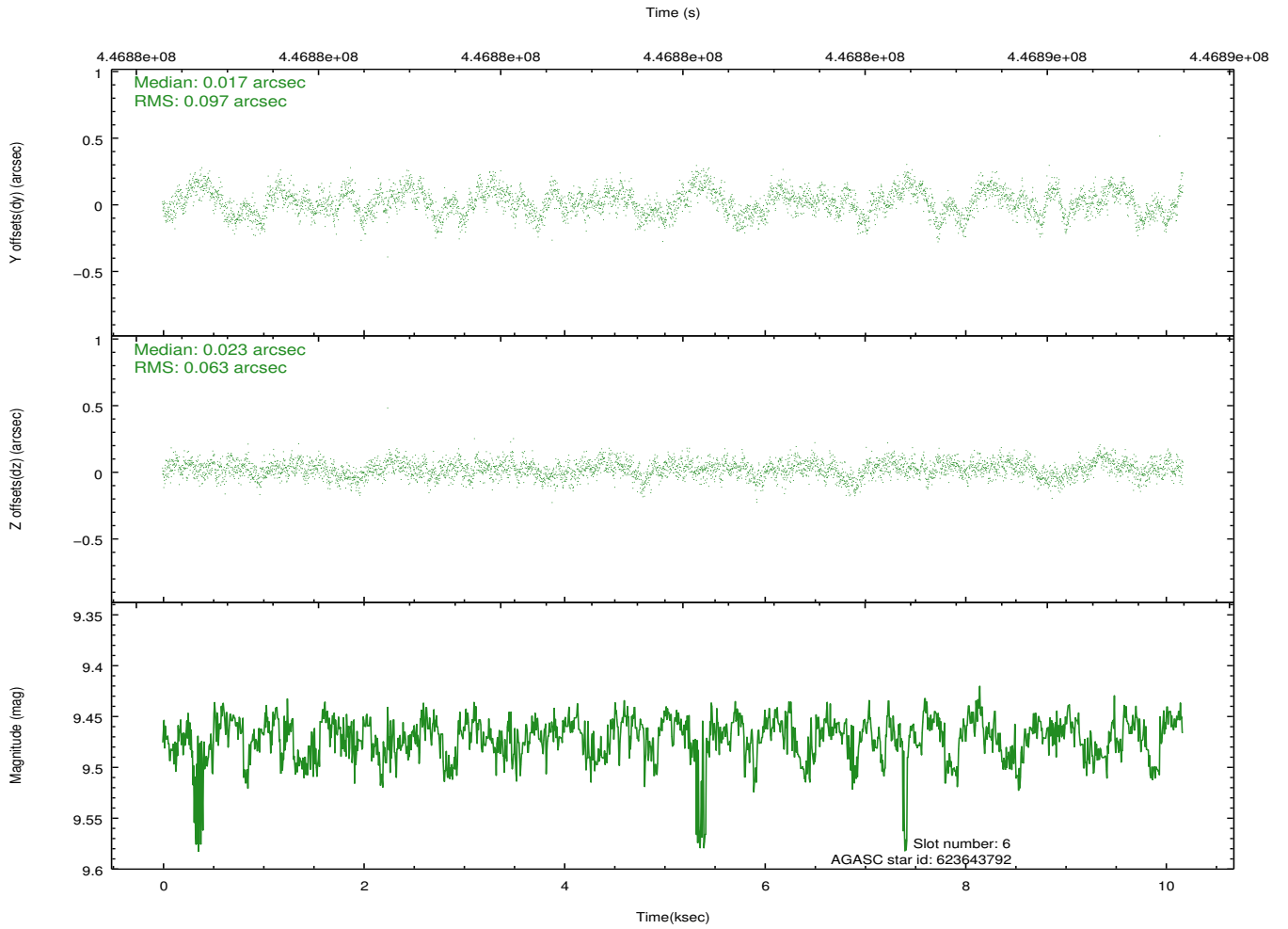
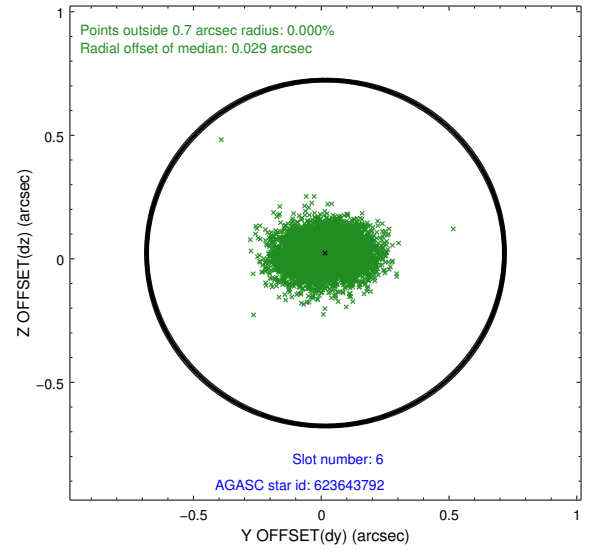
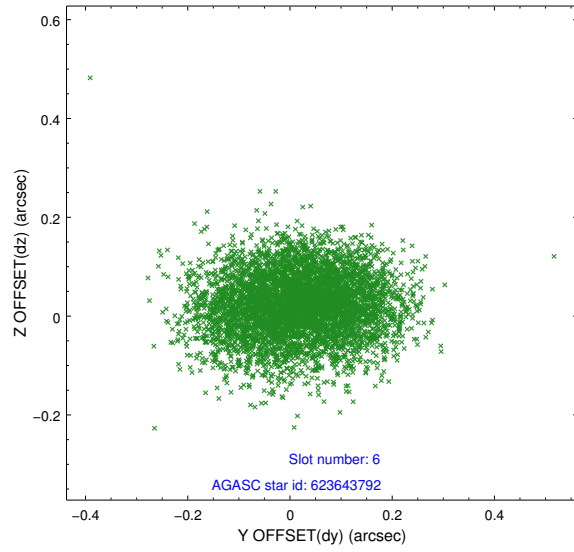
2.4.2 Slot 4



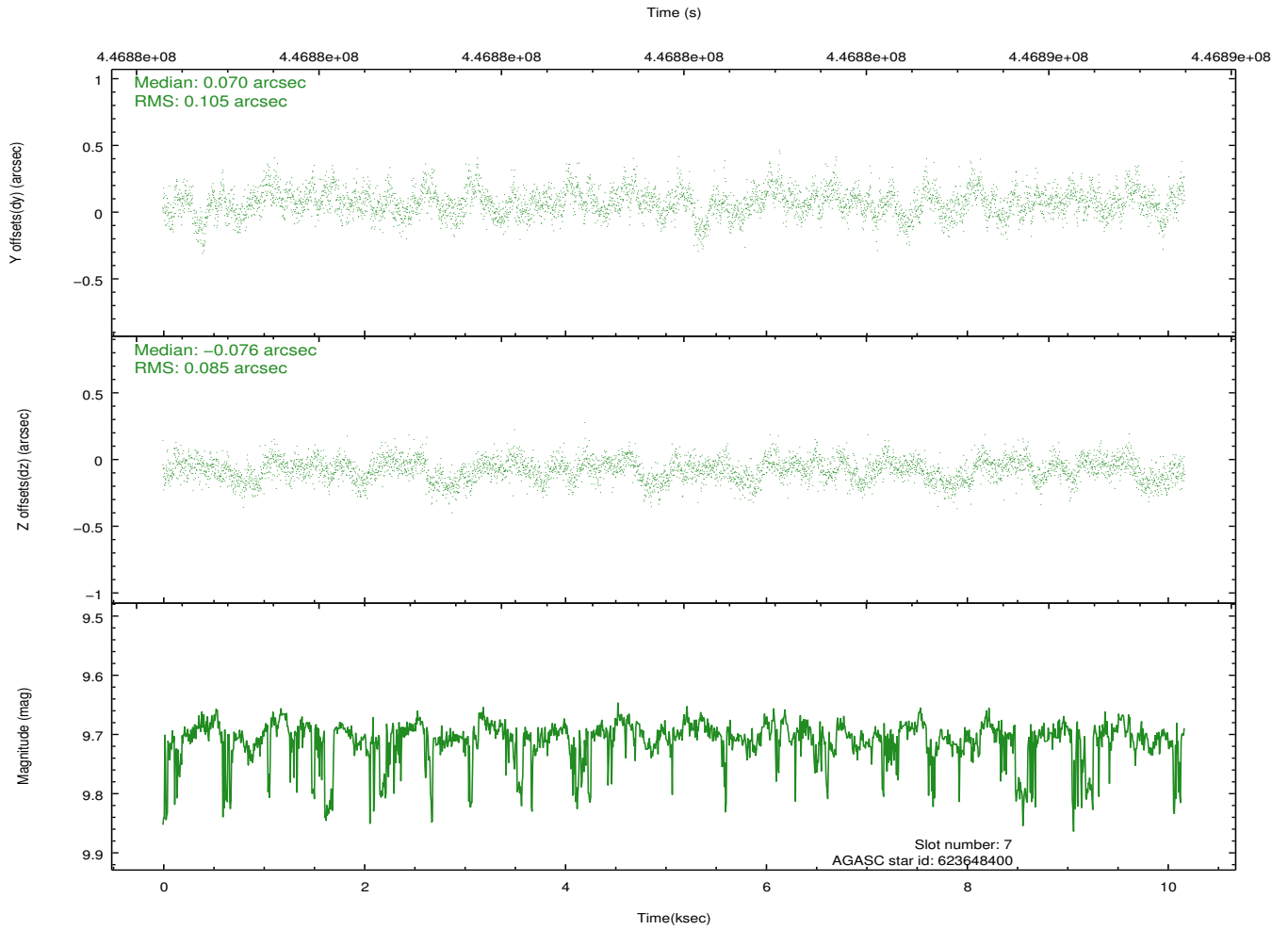
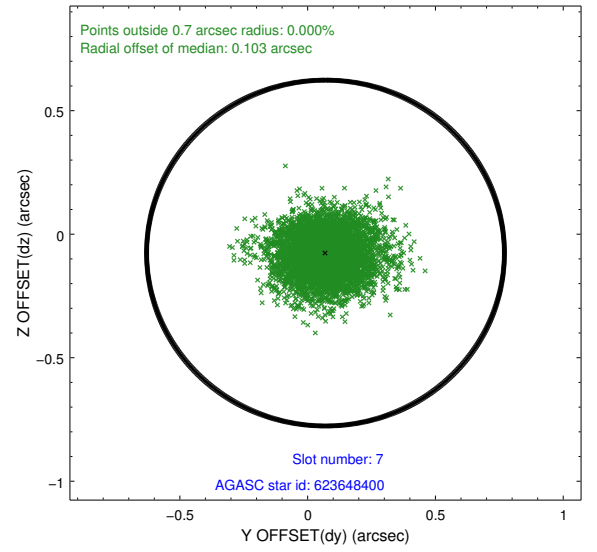
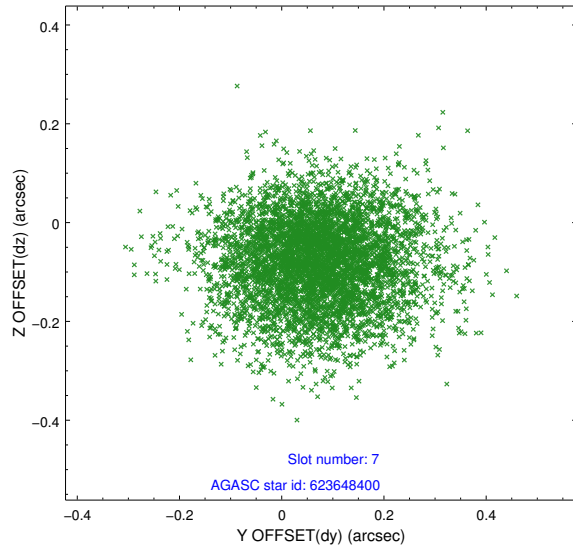
2.4.3 Slot 5



2.4.4 Slot 6

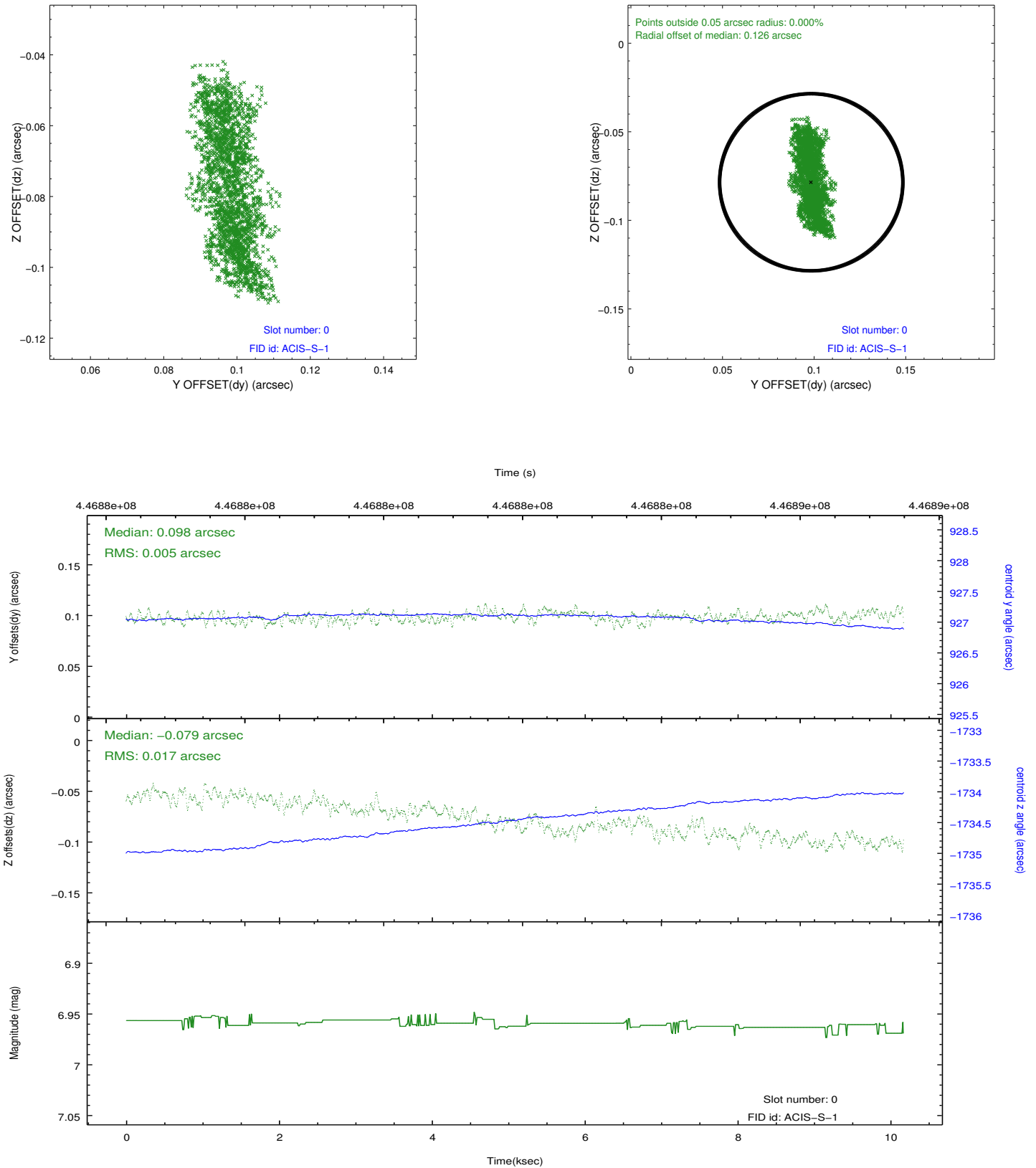


2.4.5 Slot 7

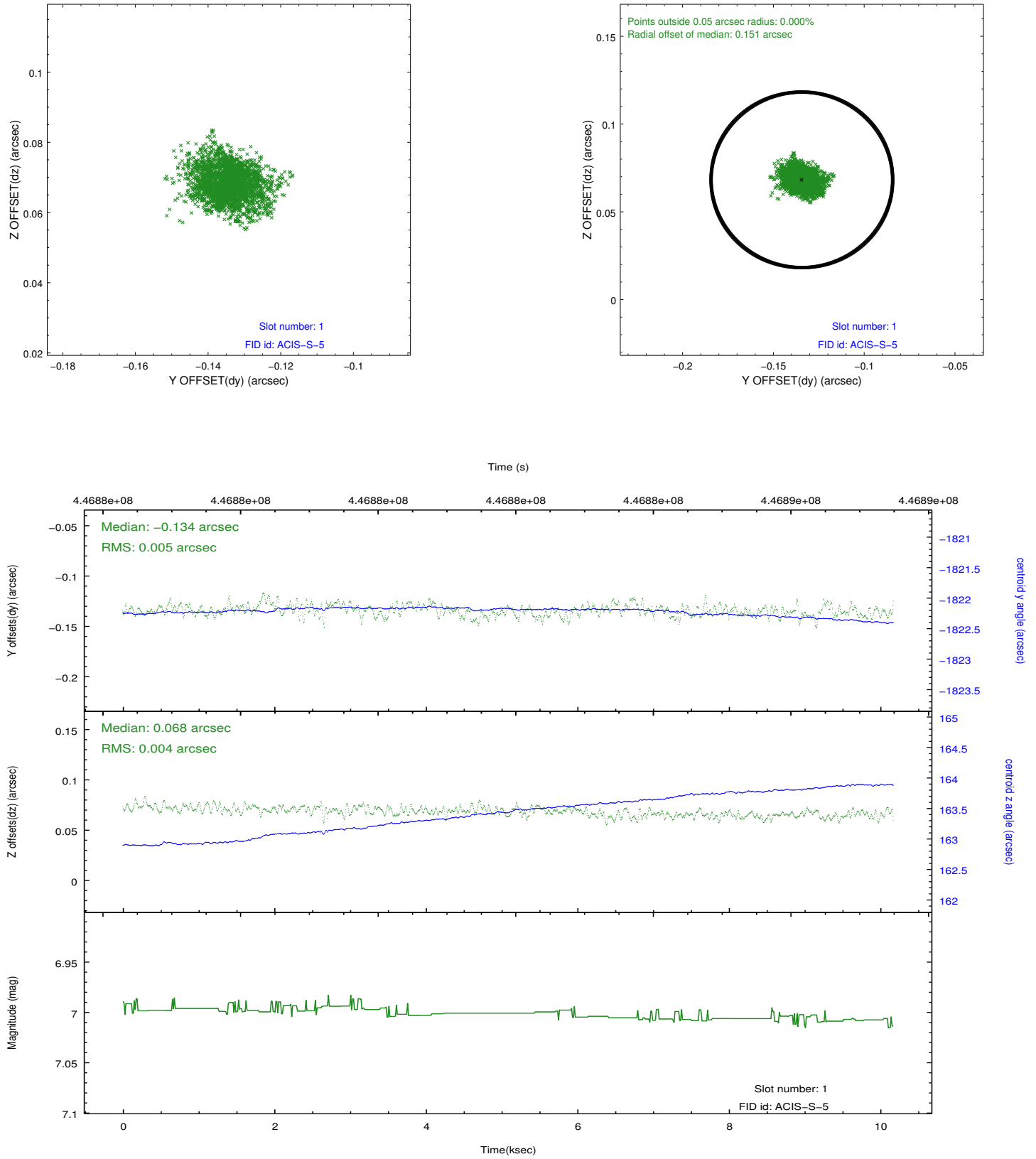


2.5 FID Slots

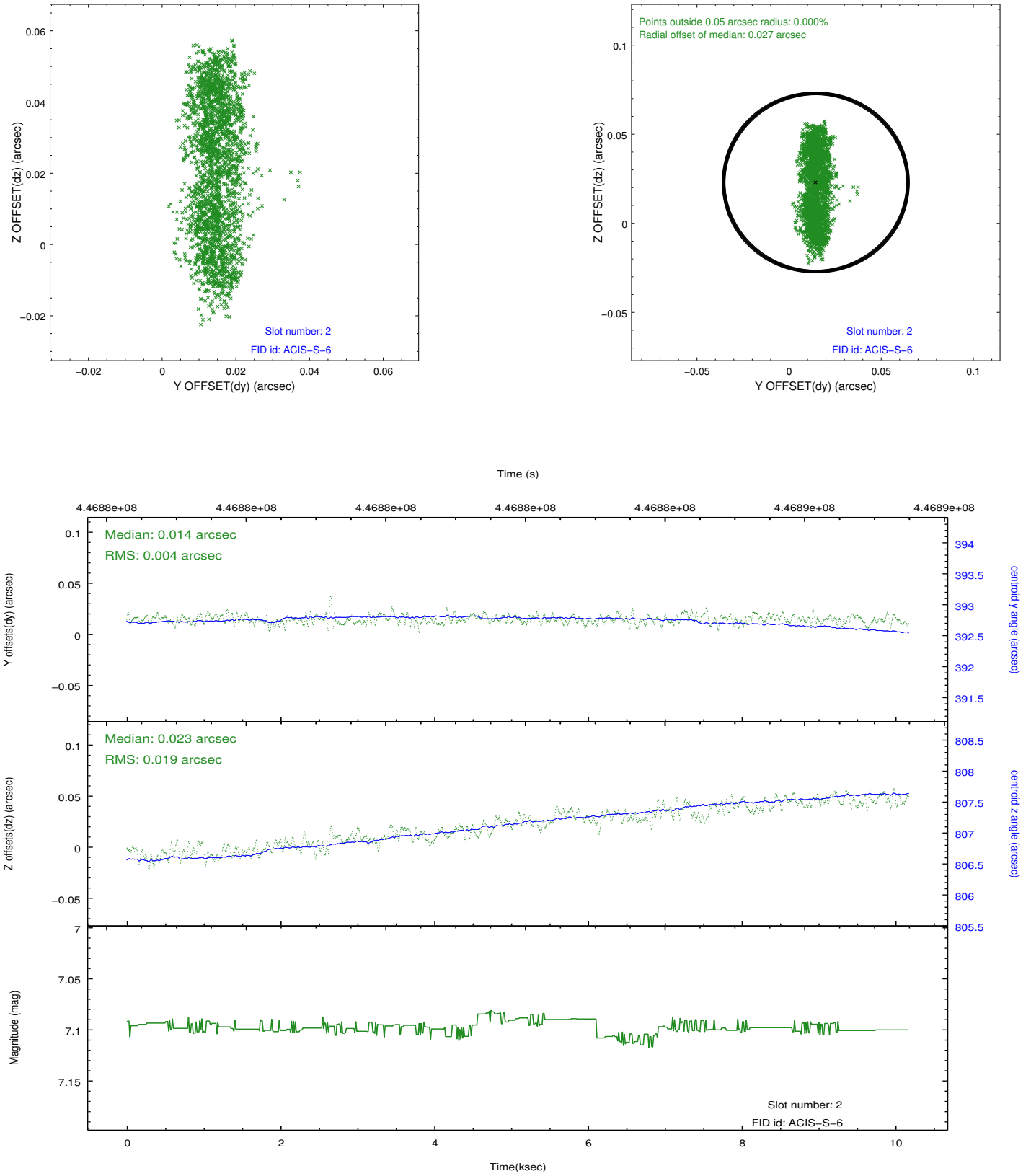
2.5.1 Slot 0



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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.065700077415

A.2 Comments