

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 6080 - L2 Version 3
Chandra X-Ray Center

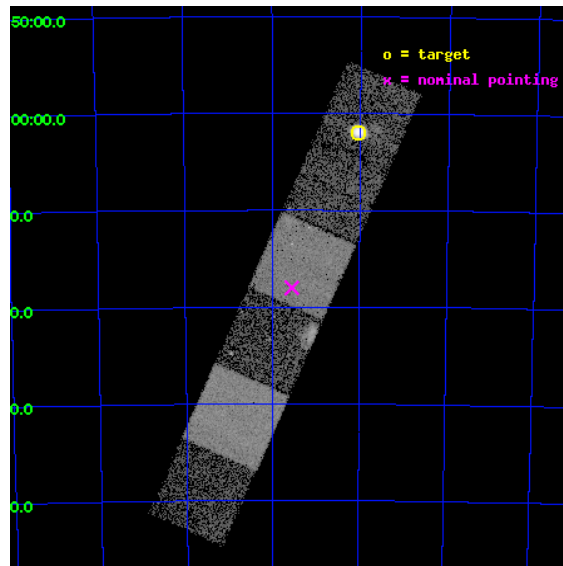
L2 Processing Date : Dec 14 2012

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1 Front

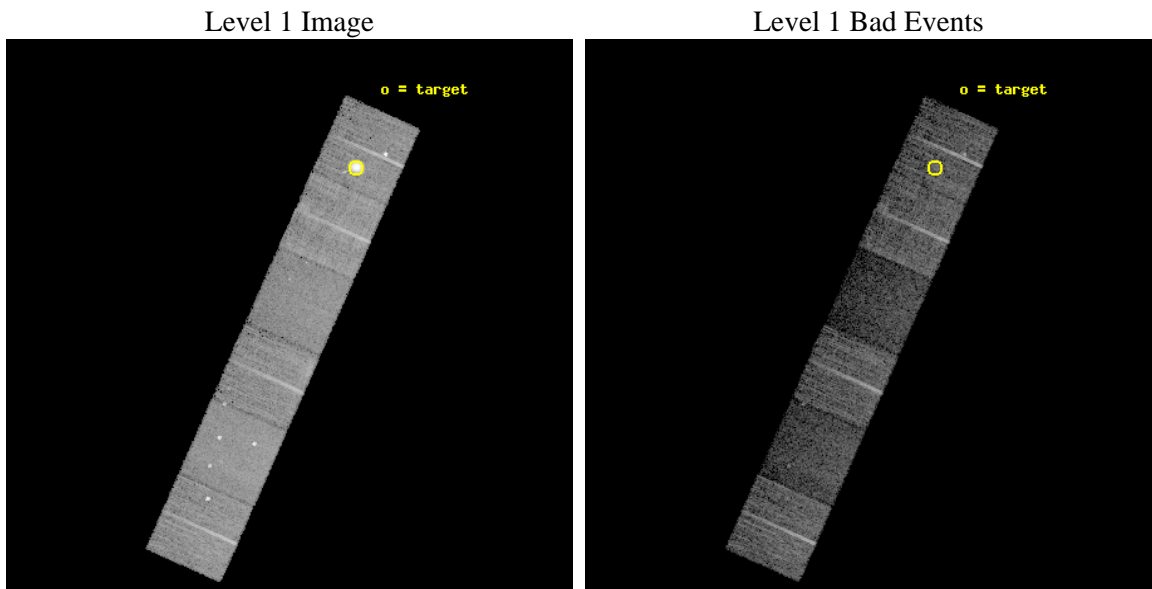
seq_num	590407	Sequence number
obs_id	6080	Observation id
title	AO6A ACIS-S Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[S5,-120,-17.29,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.387940896514	Nominal RA [deg]
dec_nom	-72.300316967968	Nominal Dec [deg]
roll_nom	293.99162968771	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7753.0410155356	Sum of GTIs [s]
livetime	7654.867341876	Livetime [s]
ontime4	7753.2462155223	Sum of GTIs [s]
ontime5	7753.1641355157	Sum of GTIs [s]
ontime6	7753.1230955124	Sum of GTIs [s]
ontime7	7753.205175519	Sum of GTIs [s]
ontime8	7749.8410852253	Sum of GTIs [s]
ontime9	7753.0410155356	Sum of GTIs [s]
l2events	87763	Number of level 2 events



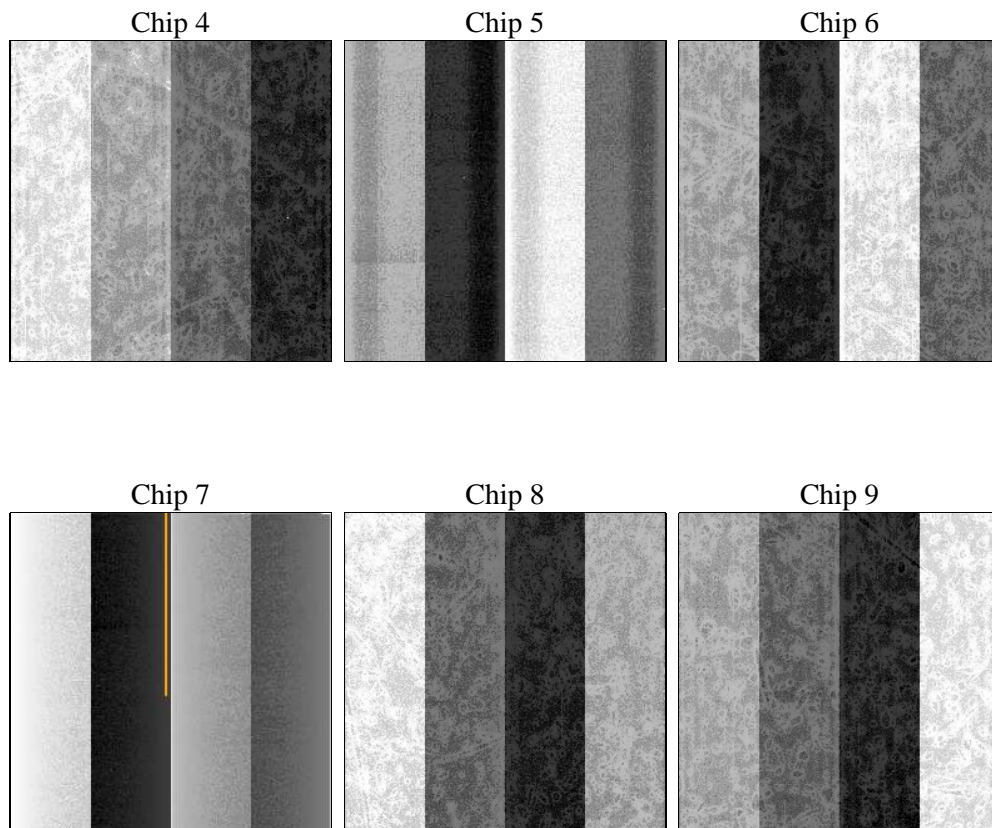
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	7753.0410155356	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	7753.2462155223	Sum of GTIs [s]
date	2012-12-14T20:48:24	Date and time of file creation	ontime5	7753.1641355157	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7753.1230955124	Sum of GTIs [s]
			ontime7	7753.205175519	Sum of GTIs [s]
			ontime8	7749.8410852253	Sum of GTIs [s]
			ontime9	7753.0410155356	Sum of GTIs [s]
			l1events	344333	Number of level 1 events

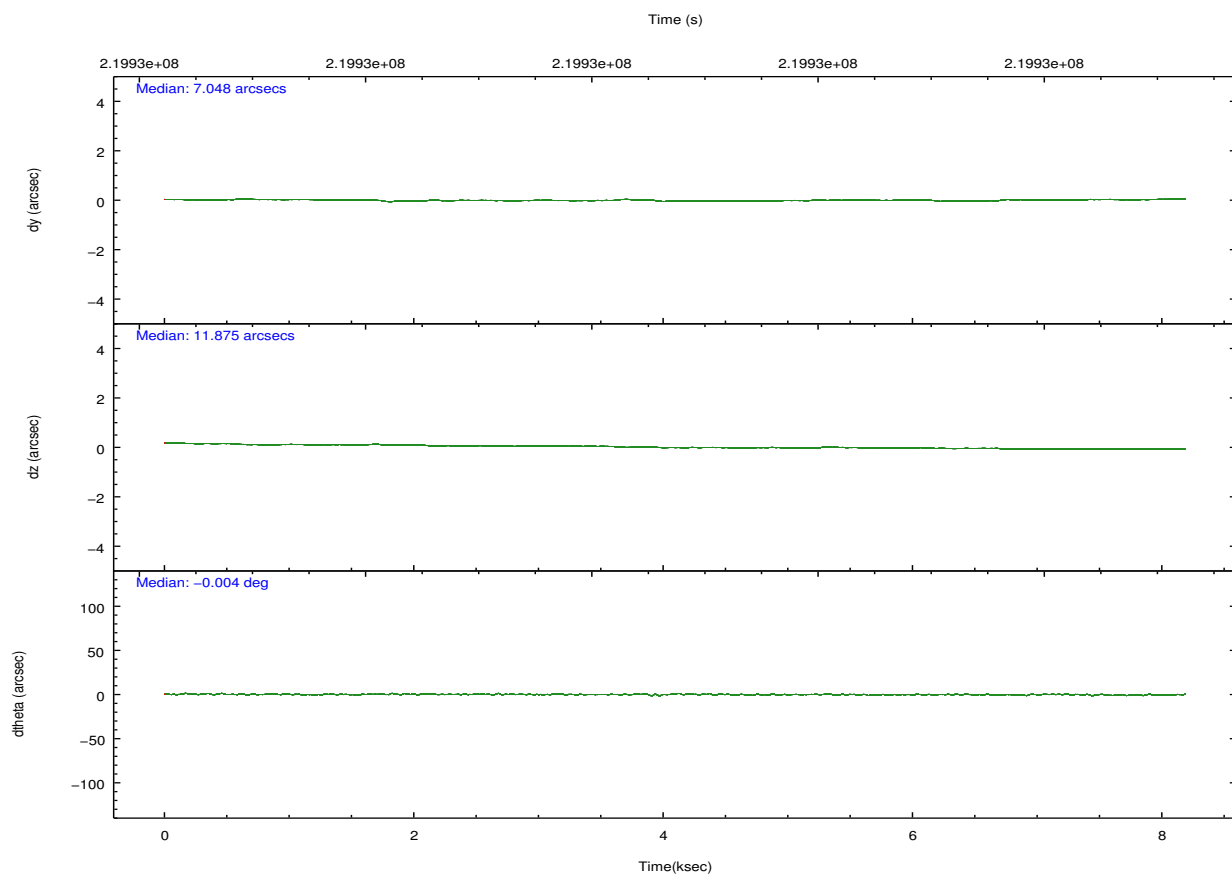
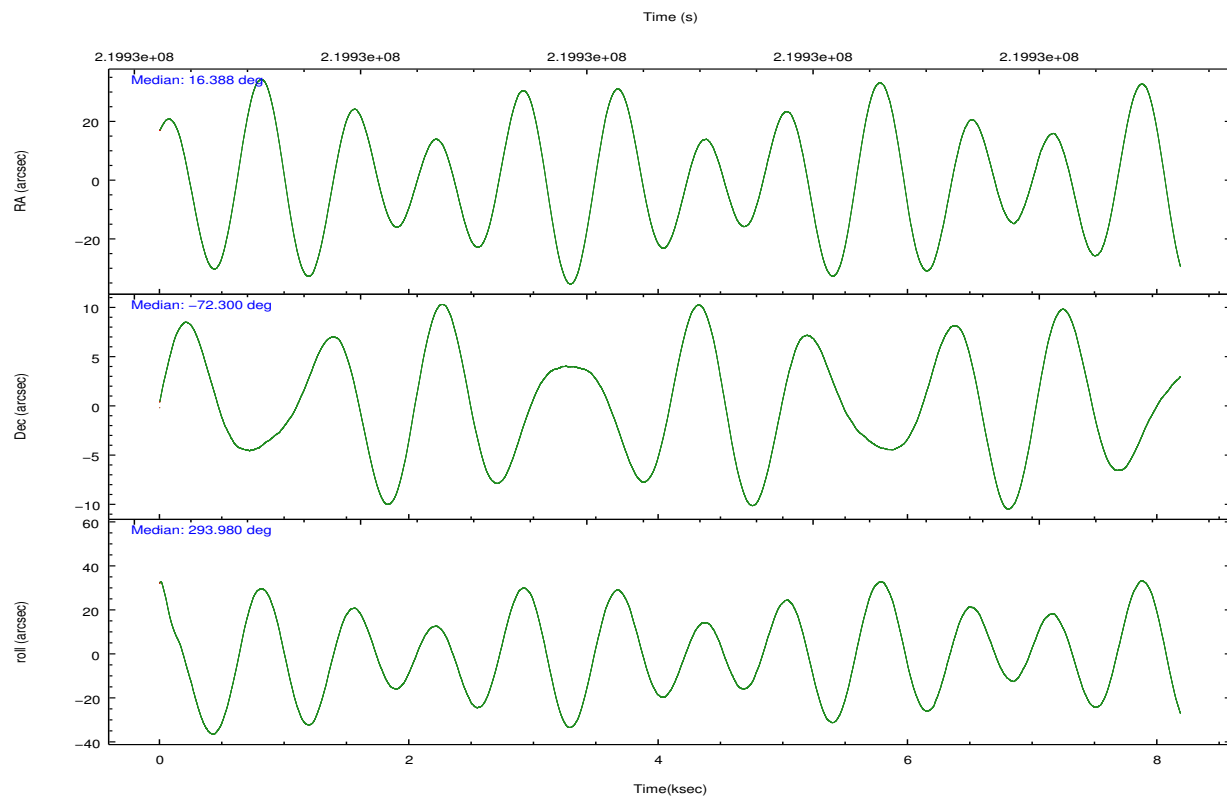
2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	56747	60454	51035	45160	61904	69033	grade 0 events	3540	6057	3145	2390	4342	19723
rejected events	50150	27310	44618	22583	47484	41963		6%	10%	6%	5%	7%	28%
rejected %	88%	45%	87%	50%	76%	60%	grade 1 events	65	195	29	54	42	377
								0%	0%	0%	0%	0%	0%
							grade 2 events	1164	8920	1171	4815	3052	4657
								2%	14%	2%	10%	4%	6%
							grade 3 events	577	1448	547	2224	1671	831
								1%	2%	1%	4%	2%	1%
							grade 4 events	520	1463	602	2203	1495	782
								0%	2%	1%	4%	2%	1%
							grade 5 events	1545	4860	1665	4747	2383	1847
								2%	8%	3%	10%	3%	2%
							grade 6 events	804	15286	956	10961	3867	1097
								1%	25%	1%	24%	6%	1%
							grade 7 events	48532	22225	42920	17766	45052	39719
								85%	36%	84%	39%	72%	57%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	16.314719	16.38794089651359	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.284628	-72.30031696796789	Alternating exposures requested	N	N
[deg] Pointing Roll	293.765212	293.9916296877121	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	215654464.184000	215654464.184000			
[s] Window stop time (MET)	220838464.184000	220838464.184000			
[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)	219926830.184000	219926454.15453			
Observation start date	2004-12-20T10:46:06	2004-12-20T10:40:54			
[s] Observation end time (MET)	219934830.184000	219935676.59244			
Observation end date	2004-12-20T12:59:26	2004-12-20T13:14:36			
Read mode	TIMED	TIMED			

2.3 Aspect

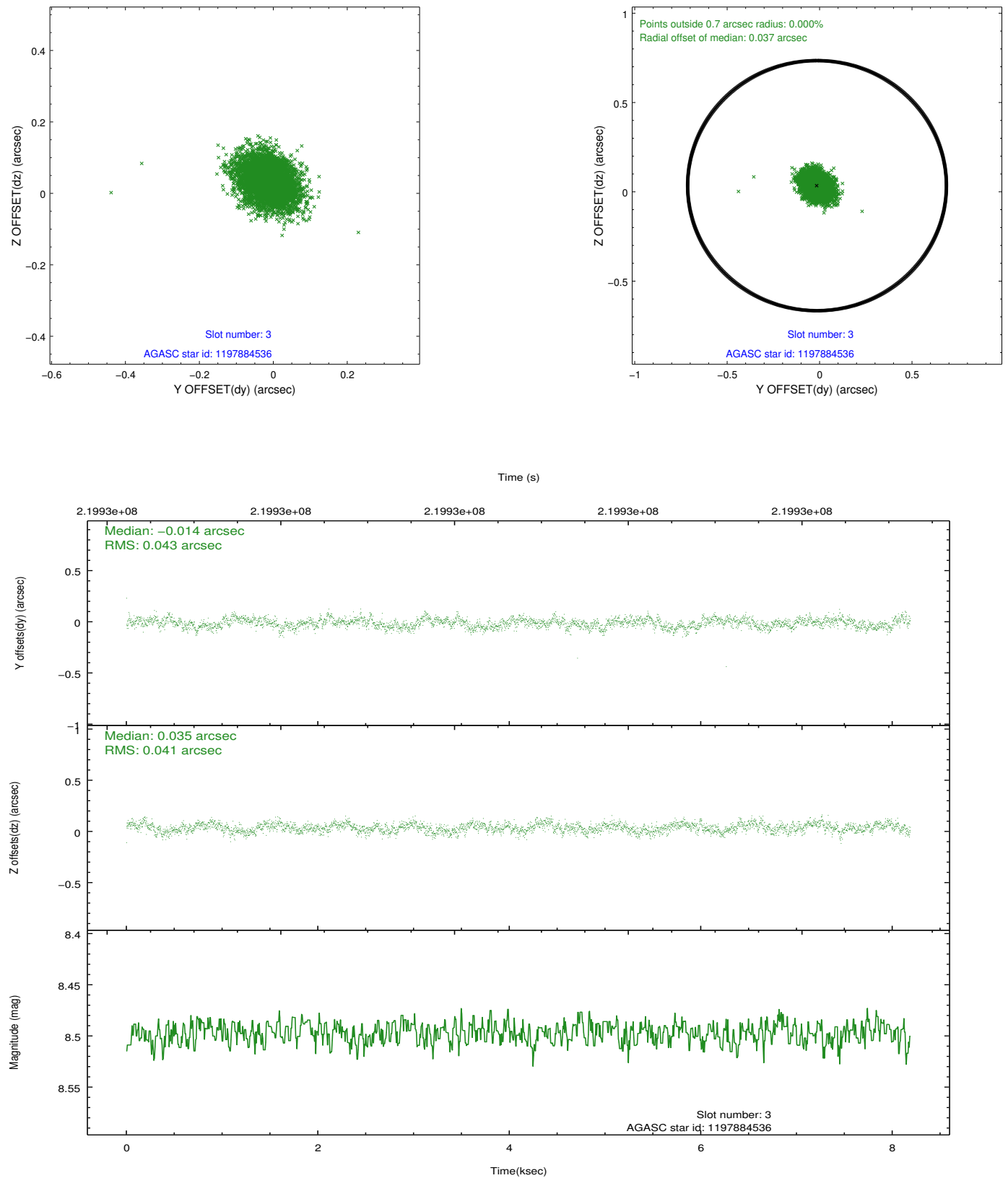


Slot Statistics

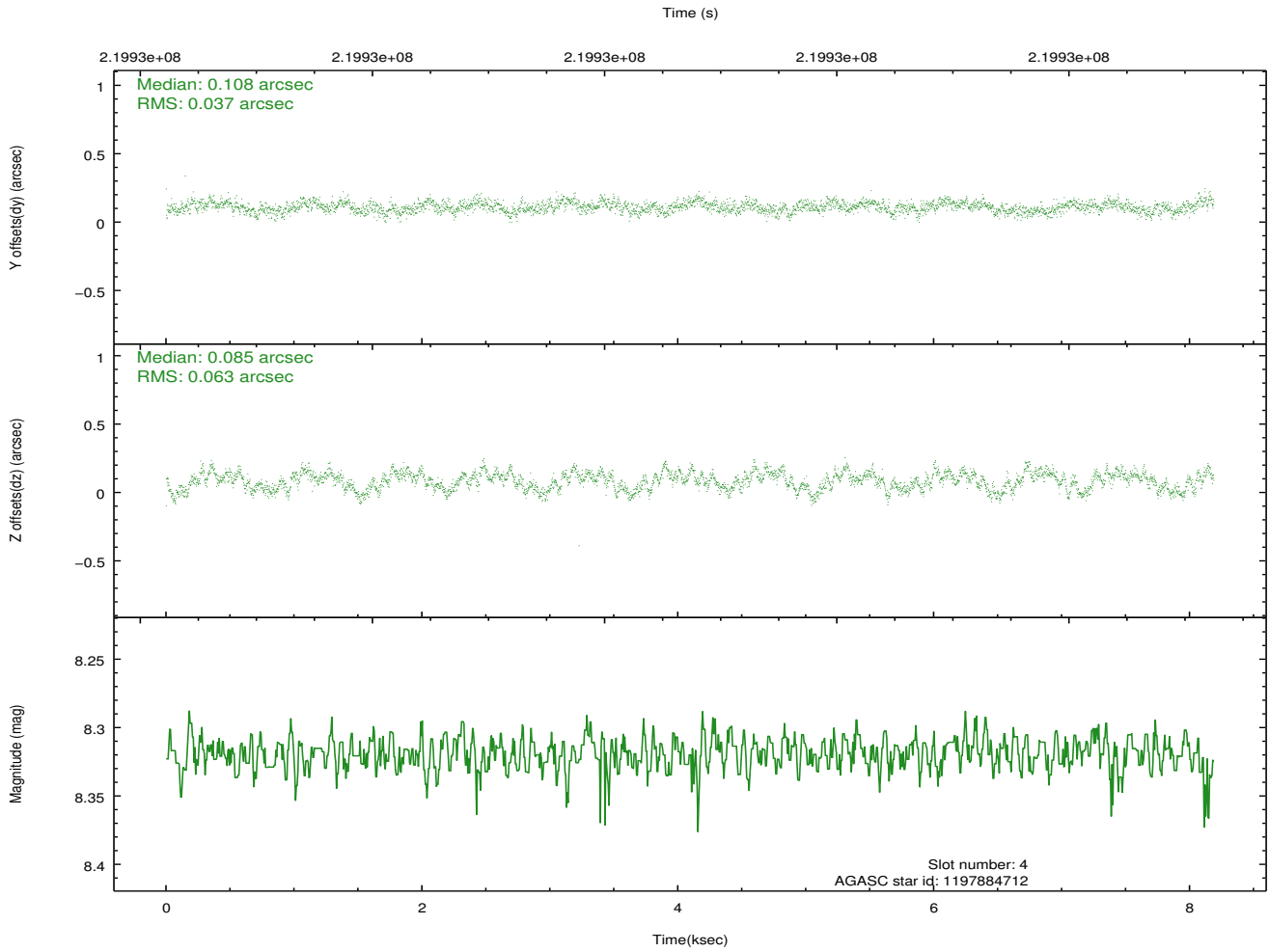
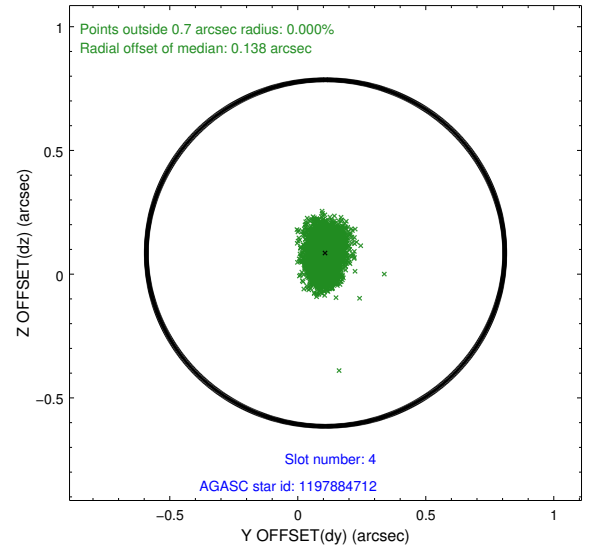
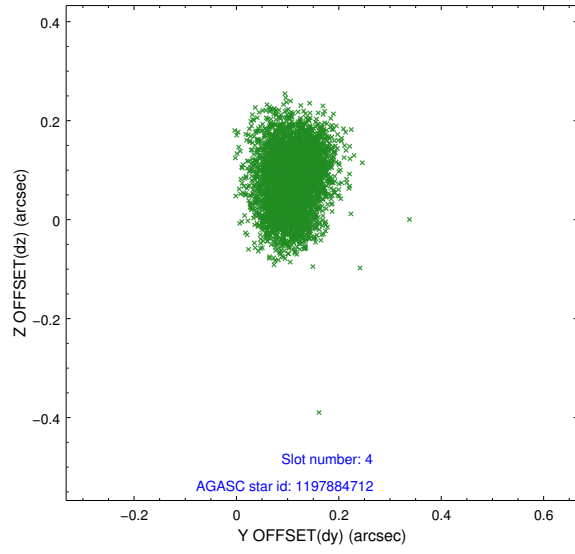
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1998	-0.026	-0.019	0.007	0.012	0.000000	0.000000	-759.82	-1733.16
1	FID	ACIS-S-4	7.20	1998	0.061	0.018	0.006	0.011	0.000000	0.000000	2153.23	174.65
2	FID	ACIS-S-5	7.23	1998	-0.067	0.010	0.007	0.013	0.000000	0.000000	-1811.83	169.09
3	GUIDE	1197884536	8.50	3995	-0.014	0.035	0.062	0.102	17.160729	-71.835289	-1091.74	1518.06
4	GUIDE	1197884712	8.32	3993	0.108	0.085	0.078	0.124	16.087398	-72.252690	-205.09	-181.64
5	GUIDE	1197885104	9.35	3983	0.046	-0.008	0.098	0.154	17.845067	-72.189368	384.99	1671.43
6	GUIDE	1197885328	7.23	3995	-0.059	-0.105	0.049	0.078	16.283090	-71.733943	-1828.54	766.87
7	GUIDE	1198189696	7.37	3993	-0.085	-0.000	0.062	0.098	15.223750	-72.697522	899.59	-1671.79

2.4 Star Slots

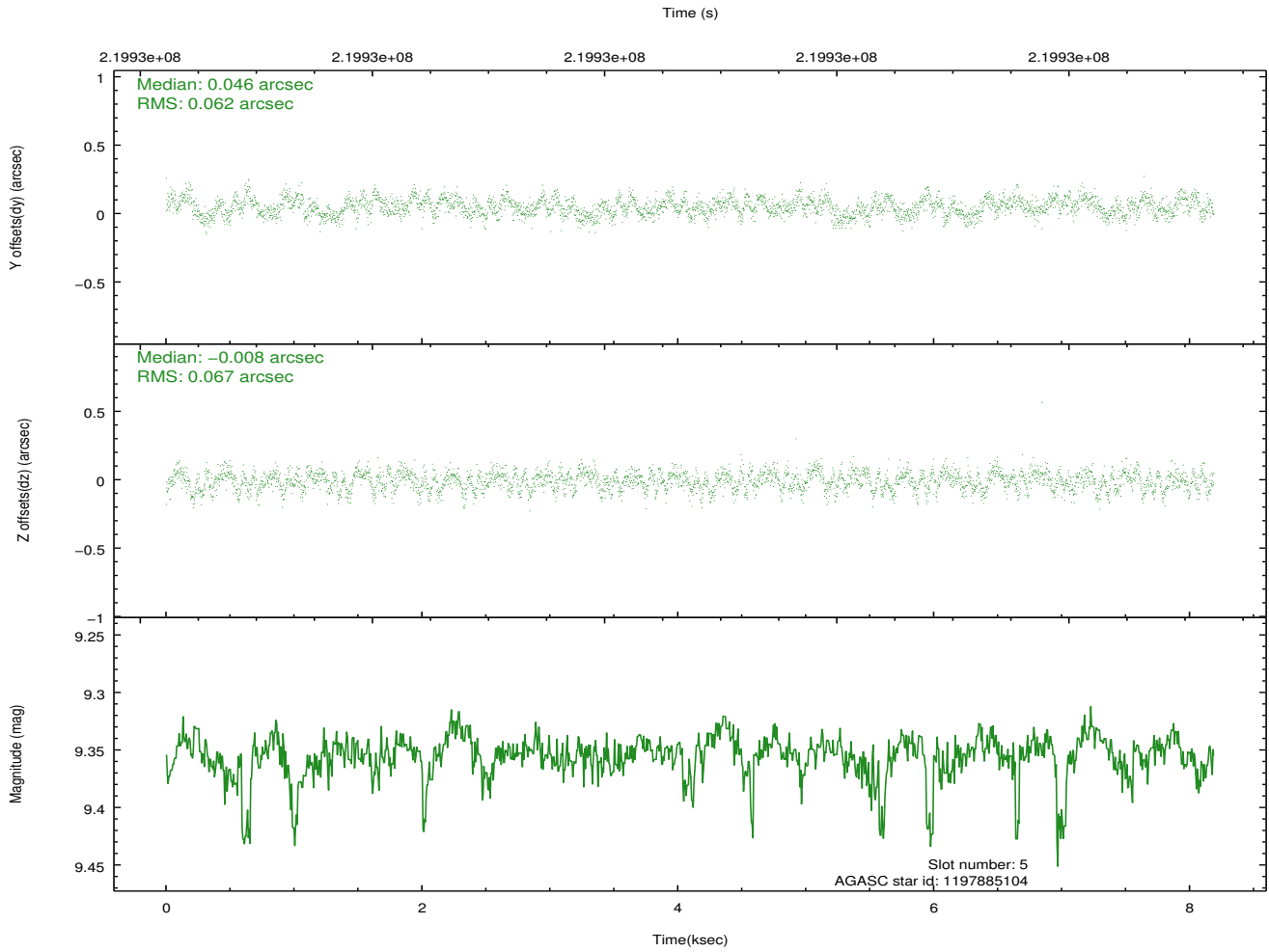
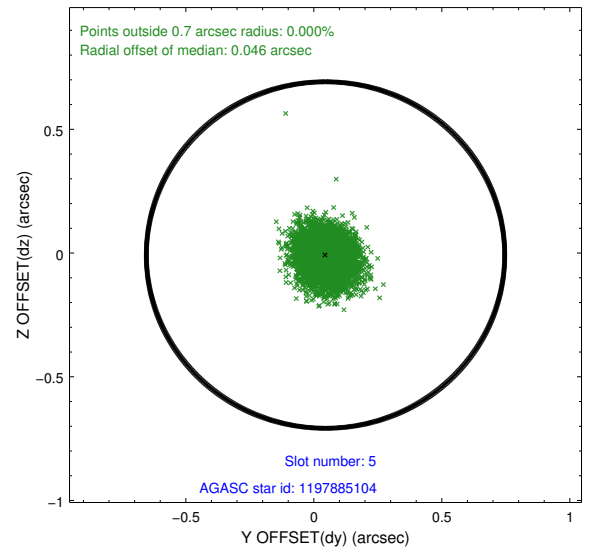
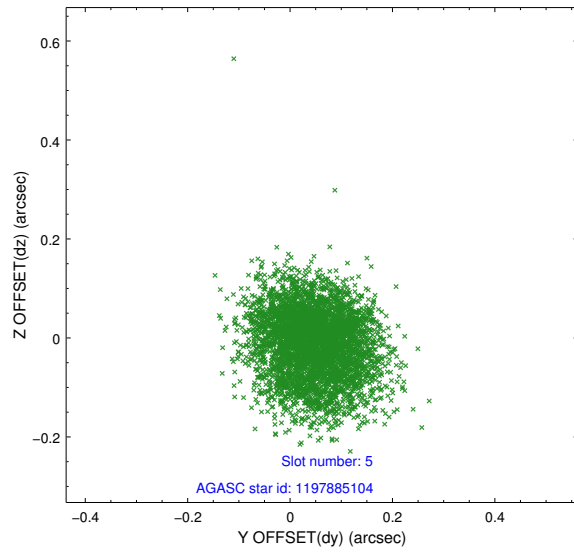
2.4.1 Slot 3



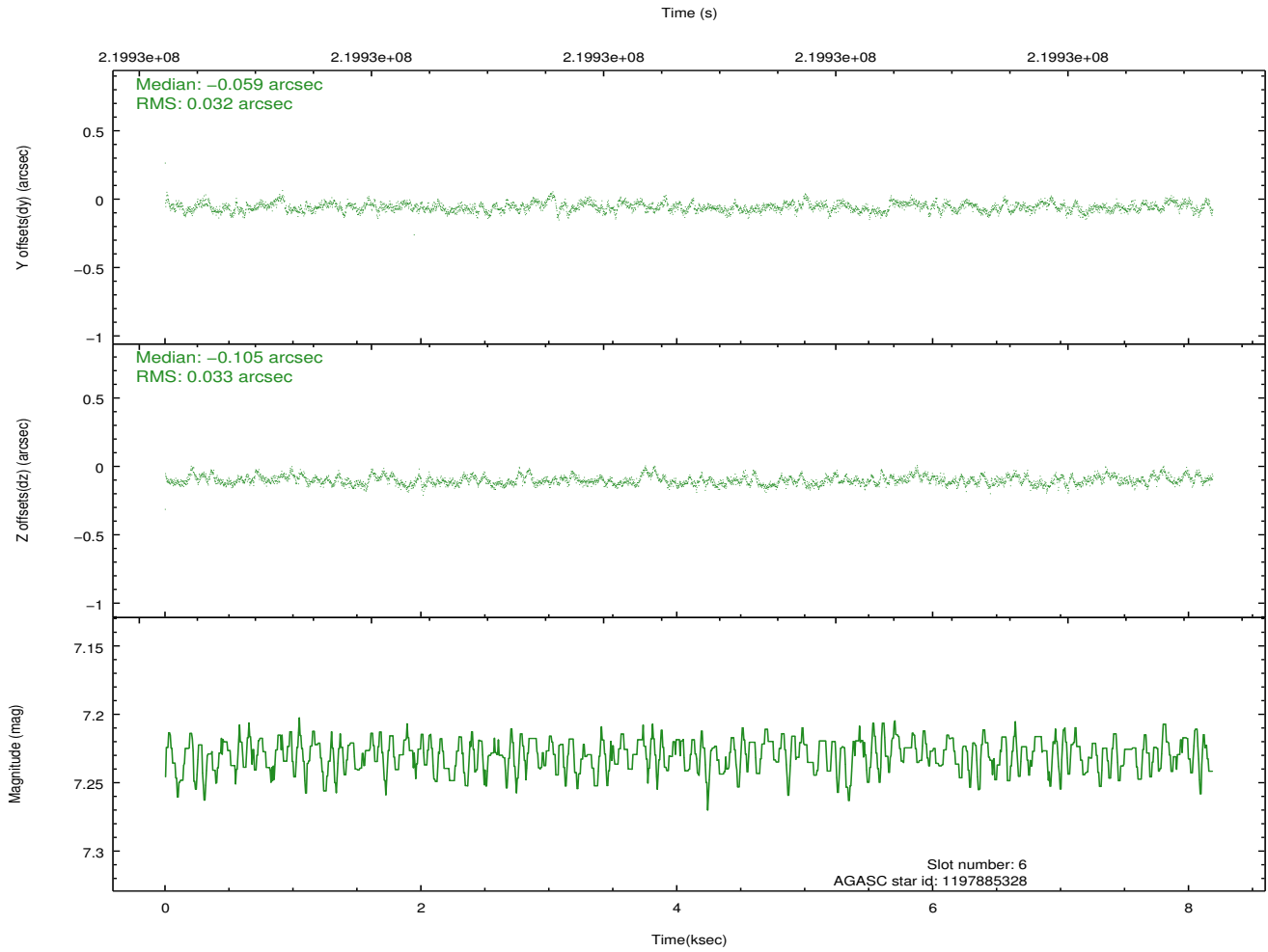
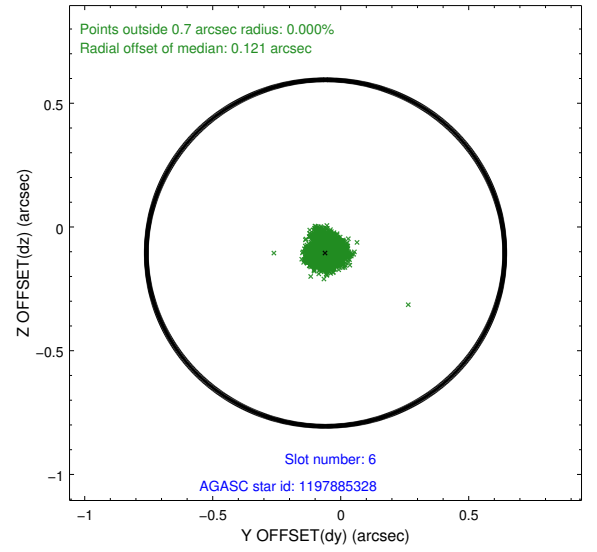
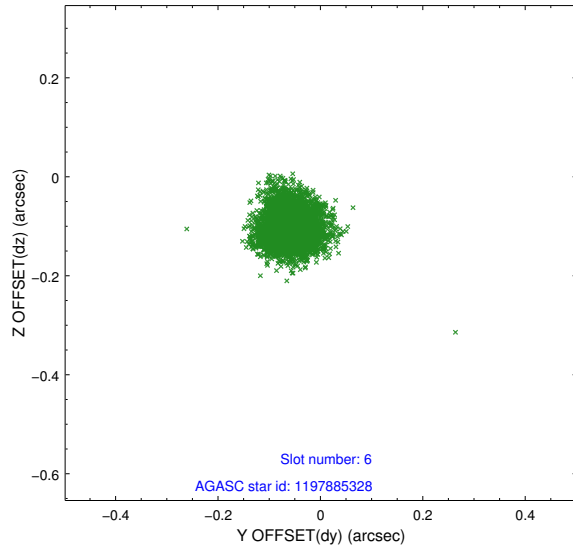
2.4.2 Slot 4



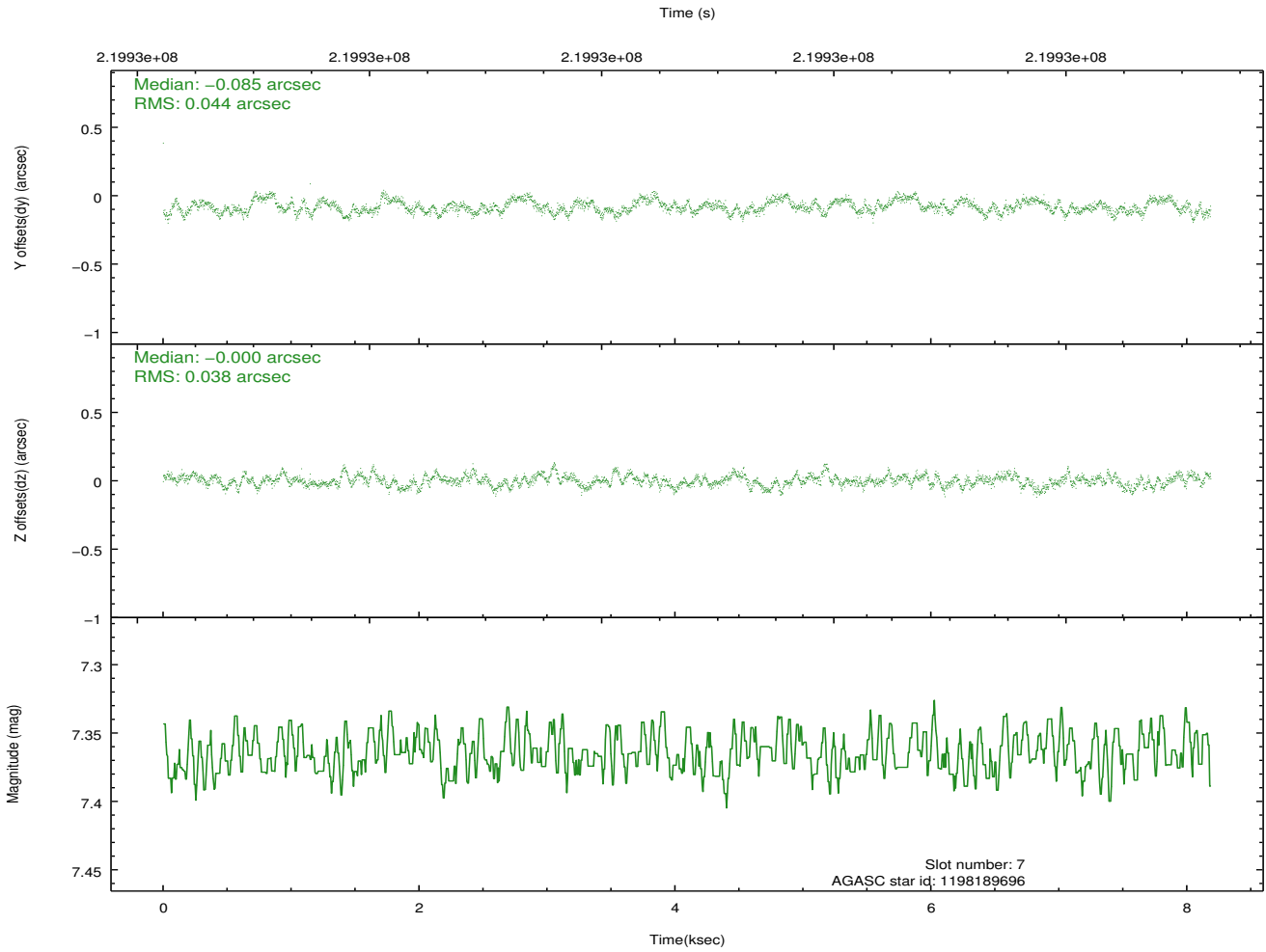
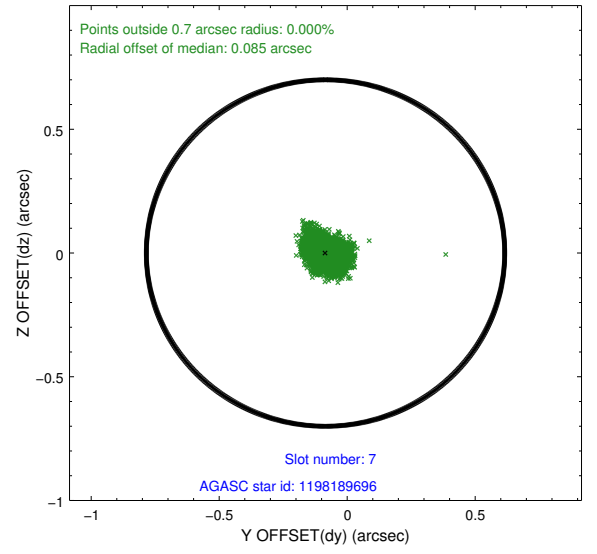
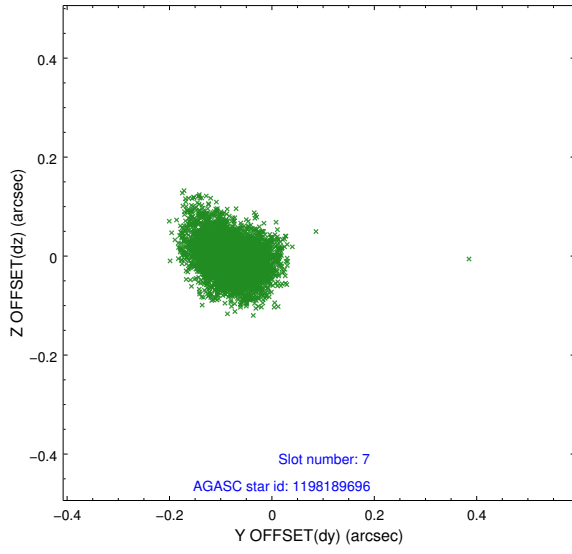
2.4.3 Slot 5



2.4.4 Slot 6

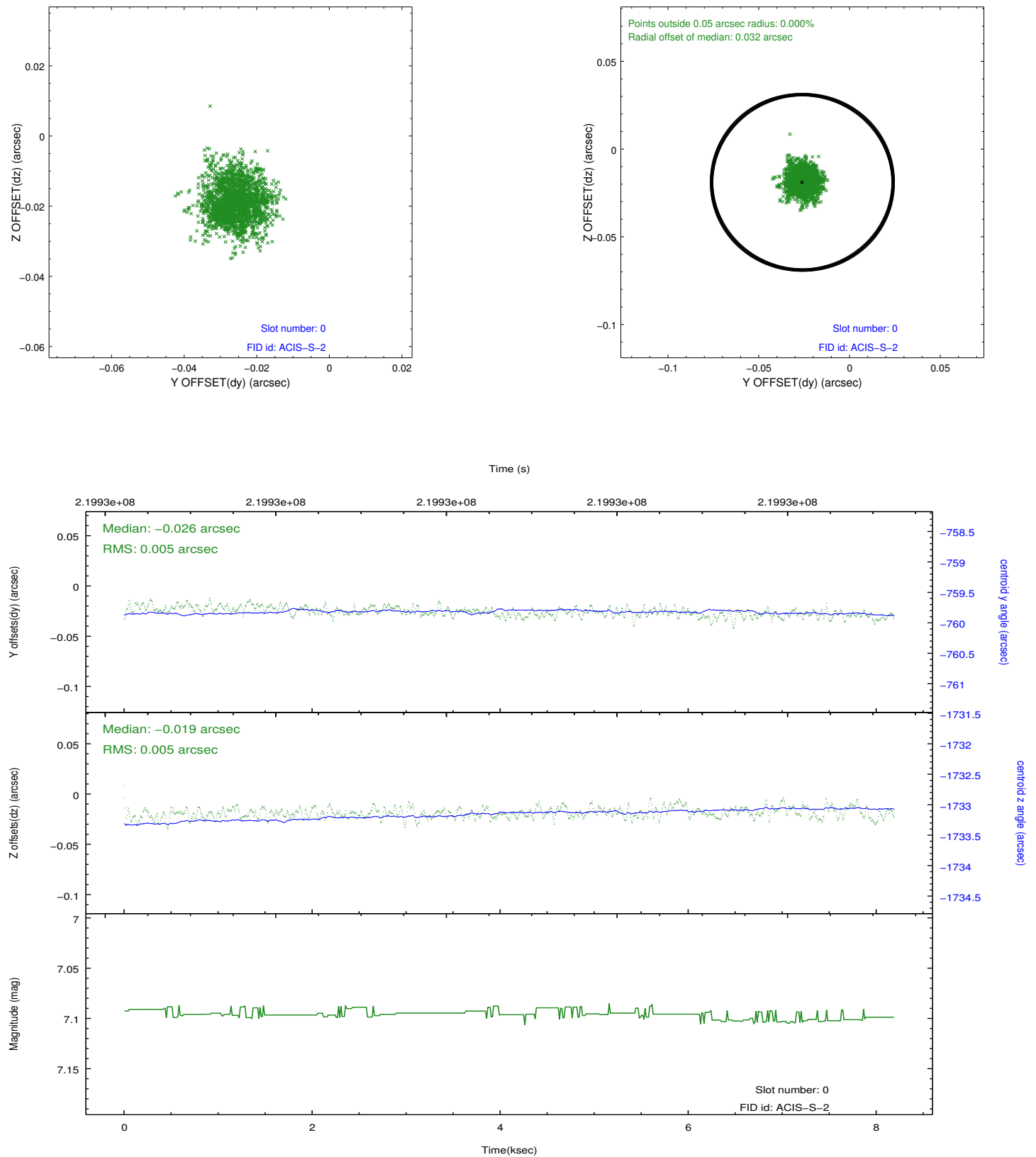


2.4.5 Slot 7

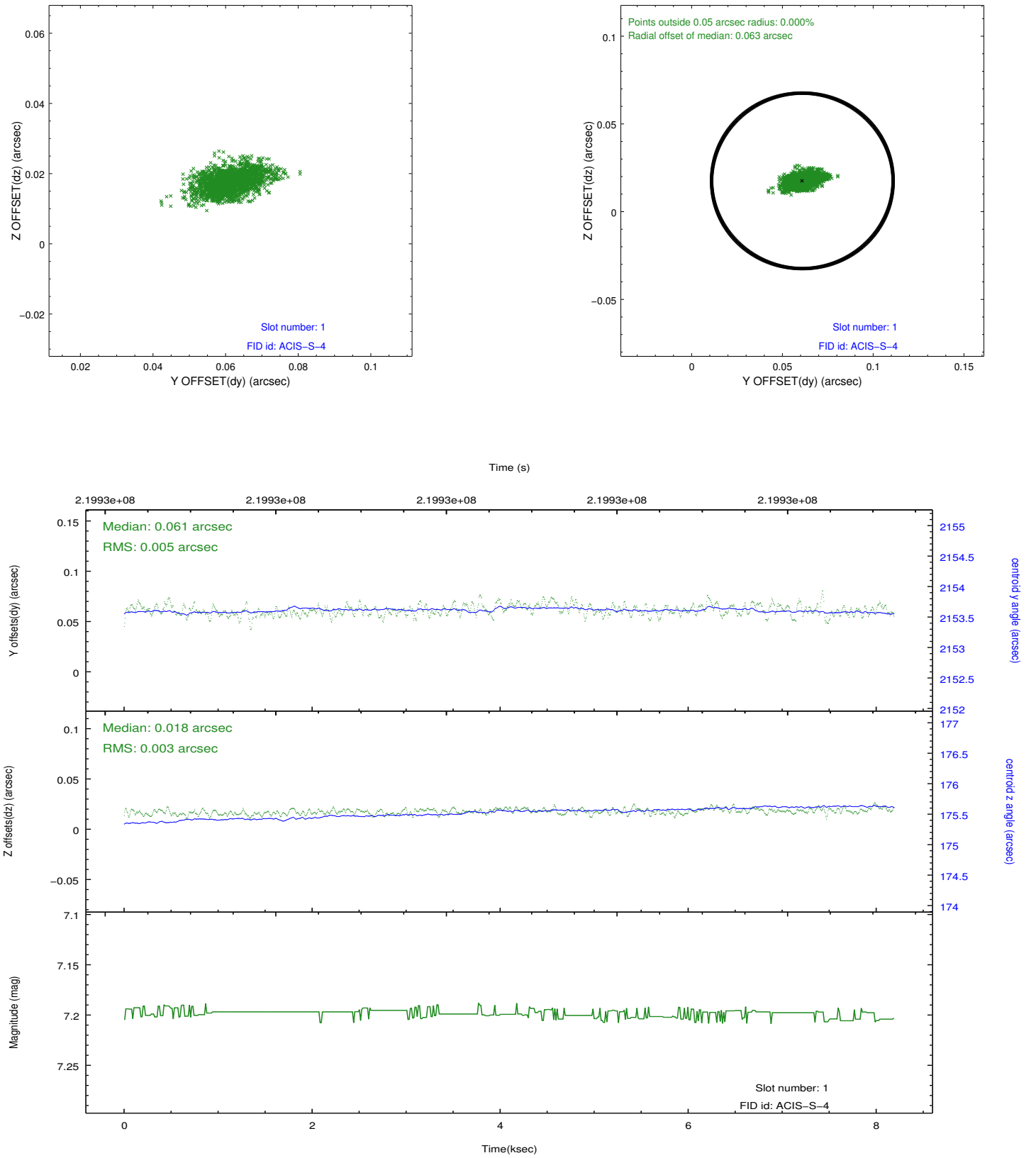


2.5 FID Slots

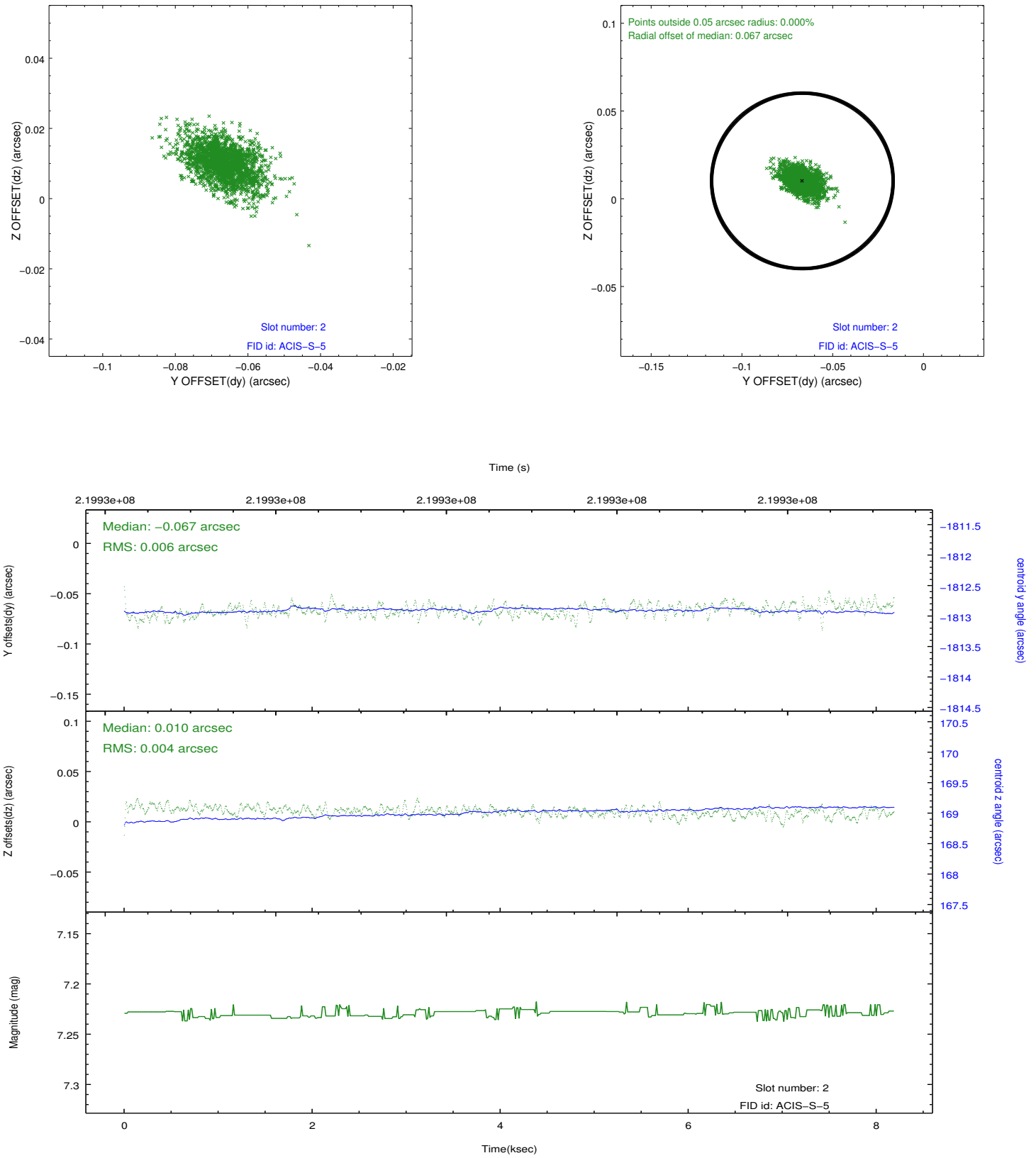
2.5.1 Slot 0



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)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.753599

A.2 Comments

Window constraint satisfied.