

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 877 - L2 Version 3

Chandra X-Ray Center

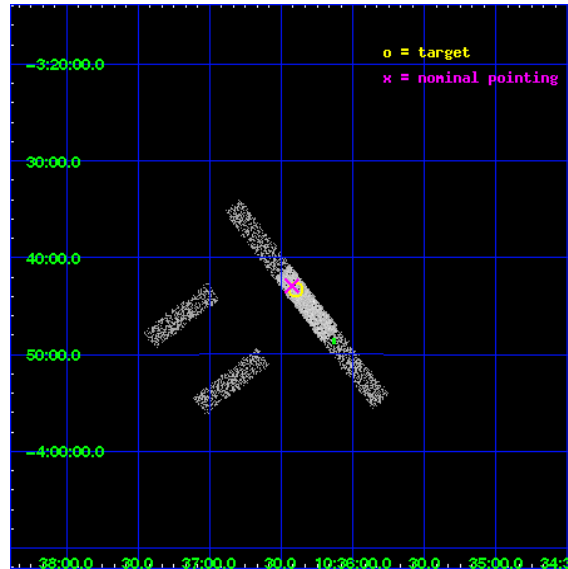
L2 Processing Date : Dec 5 2009

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1 Front

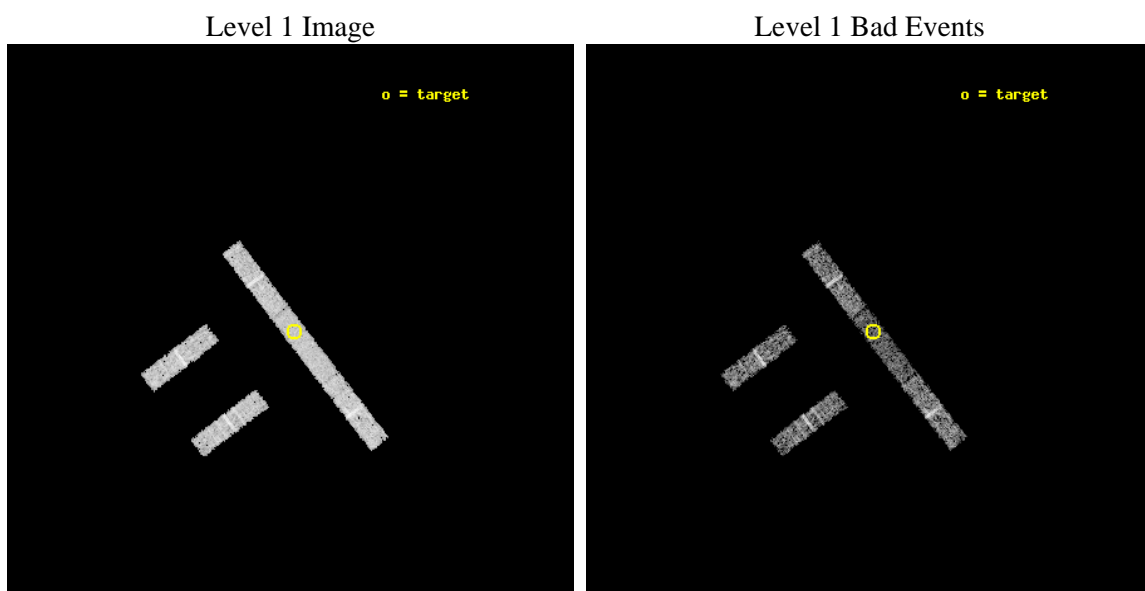
seq_num	700182	Sequence number
obs_id	877	Observation id
title	SURVEY OF RADIO QUIET $Z > 4$ QUASARS	Proposal title
observer	Dr. Jill Bechtold	Principal investigator
object	BRI 1033-0327	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	159.09875	Observer's specified target RA
dec_targ	-3.722222	Observer's specified target Dec
ra_nom	159.10641608832	Nominal RA
dec_nom	-3.7153361166258	Nominal Dec
roll_nom	52.549655328511	Nominal Roll
revision	3	Processing version of data
ontime	3588.9170083627	Sum of GTIs [s]
livetime	3447.4343045058	Livetime [s]
ontime2	3588.8759683594	Sum of GTIs [s]
ontime3	3588.7938883603	Sum of GTIs [s]
ontime6	3588.8349283636	Sum of GTIs [s]
ontime7	3588.9170083627	Sum of GTIs [s]
ontime8	3588.7528483644	Sum of GTIs [s]
l2events	6627	Number of level 2 events



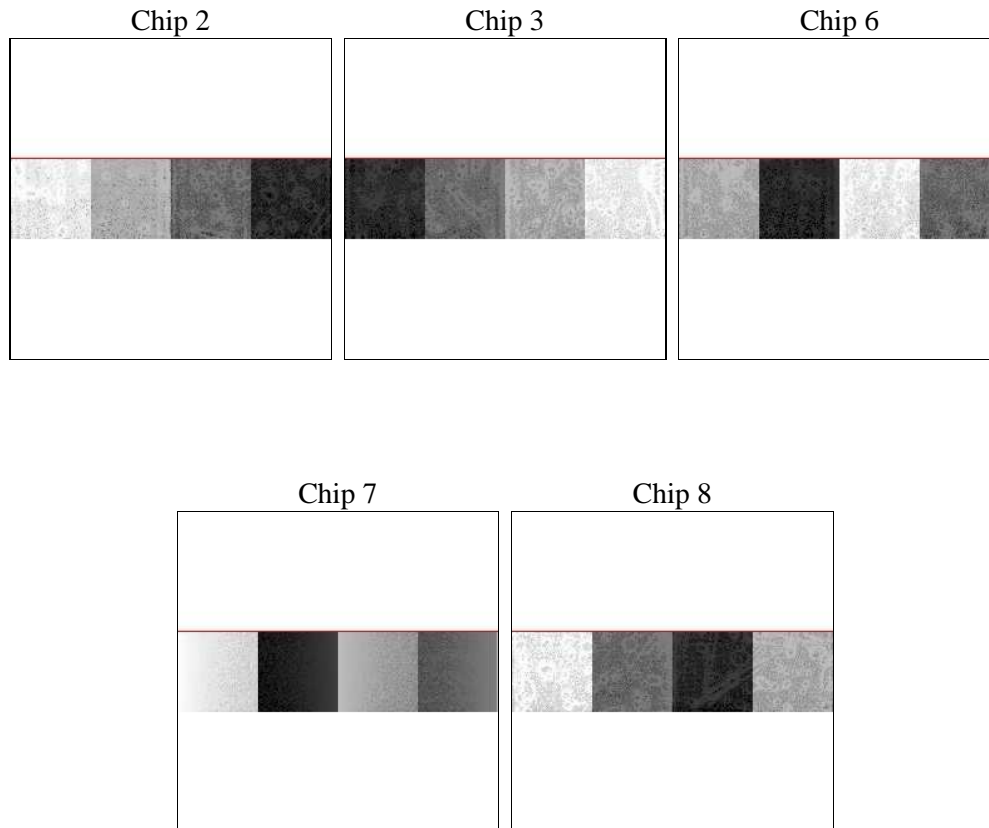
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3900.000000	Scheduled observation exposure time
ascdsver	8.1.2	ASCDS version number	ontime	3588.9170083627	Sum of GTIs [s]
caldsver	4.1.4	 	ontime2	3588.8759683594	Sum of GTIs [s]
date	2009-12-05T09:46:56	Date and time of file creation	ontime3	3588.7938883603	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3588.8349283636	Sum of GTIs [s]
			ontime7	3588.9170083627	Sum of GTIs [s]
			ontime8	3588.7528483644	Sum of GTIs [s]
			l1events	49807	Number of level 1 events

2.1.4 Events

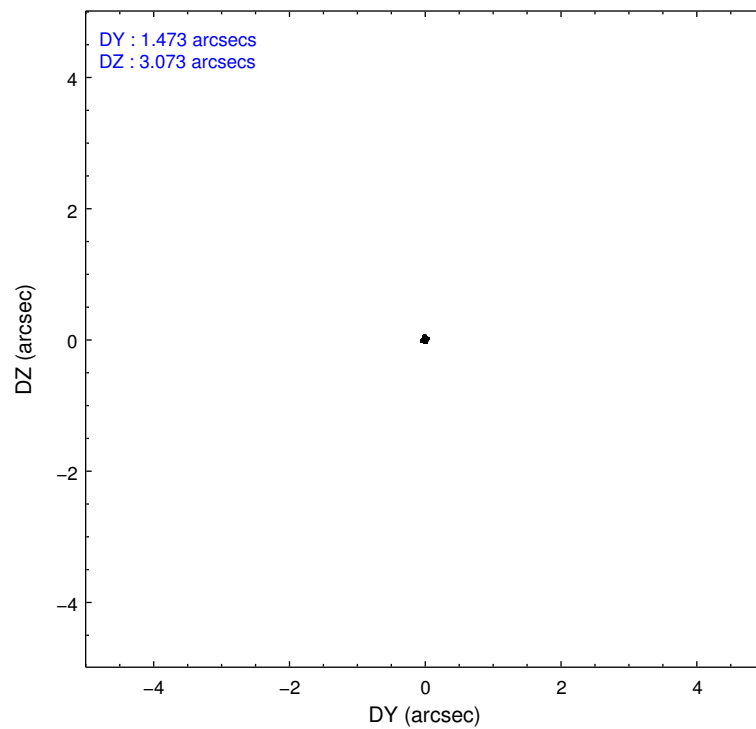
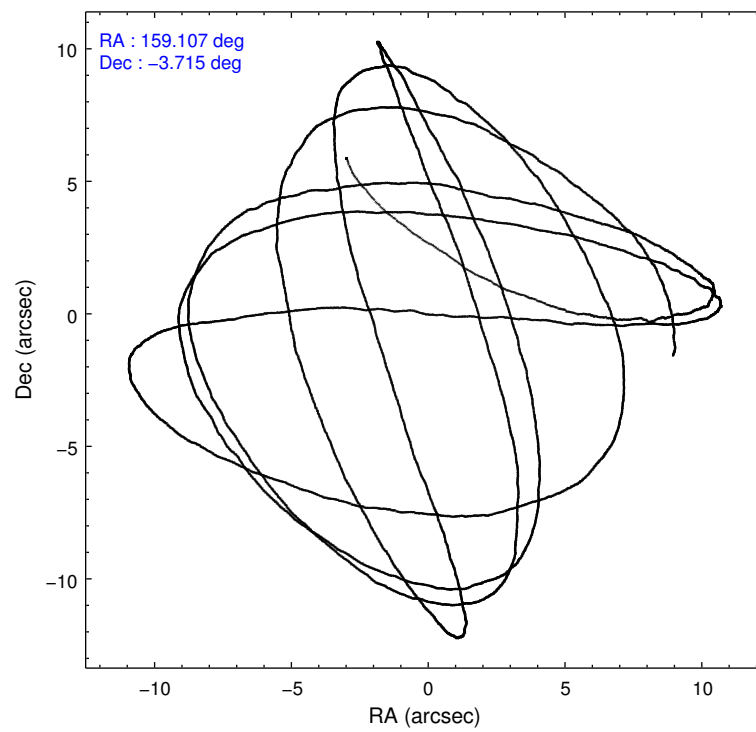
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	9761	9506	9928	9049	11563
rejected events	8952	8662	9071	5225	9832
rejected %	91%	91%	91%	57%	85%

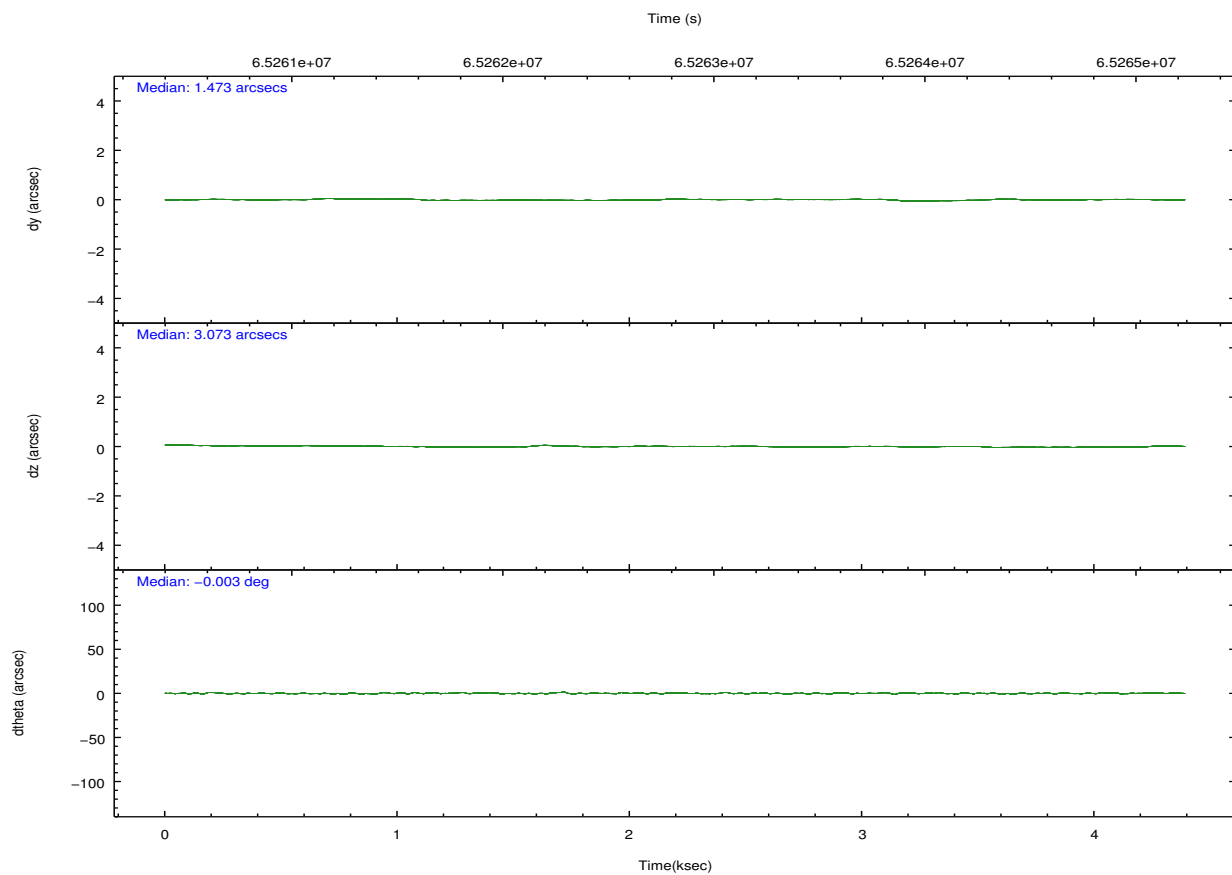
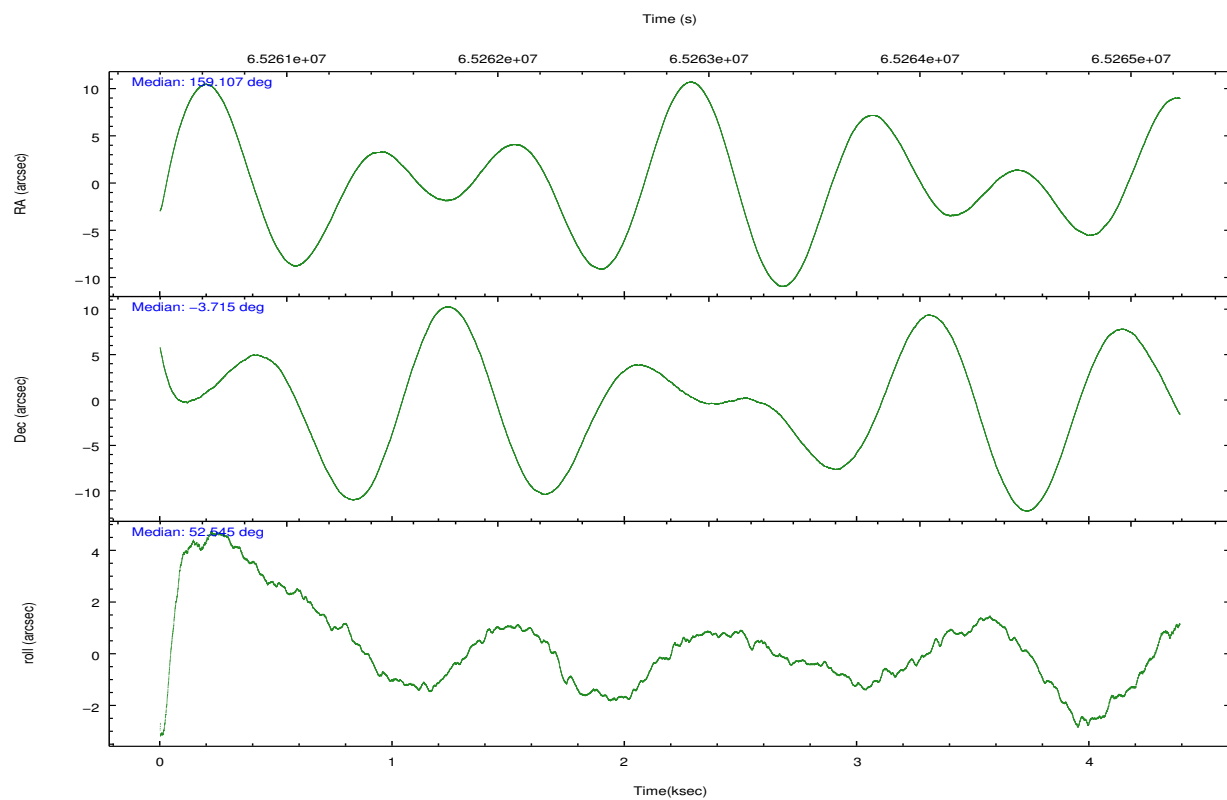
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	131	110	91	323	403
	1%	1%	0%	3%	3%
grade 1 events	1	1	0	1	2
	0%	0%	0%	0%	0%
grade 2 events	275	336	327	810	495
	2%	3%	3%	8%	4%
grade 3 events	116	86	125	279	197
	1%	0%	1%	3%	1%
grade 4 events	107	82	105	292	159
	1%	0%	1%	3%	1%
grade 5 events	119	129	155	492	183
	1%	1%	1%	5%	1%
grade 6 events	181	230	209	2123	477
	1%	2%	2%	23%	4%
grade 7 events	8831	8532	8916	4729	9647
	90%	89%	89%	52%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
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
Pointing RA	159.102726	159.1064160883199	Subarray requested	CUSTOM	1/4
Pointing Dec	-3.742749	-3.71533611662581	Subarray start row	385	385
Pointing Roll	52.392807	52.54965532851137	Subarray row count	256	256
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	1
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	65261111.184000	65260000.402341			
Observation start date	2000-01-26T08:04:07	2000-01-26T07:46:40			
Observation end time	65265011.184000	65265616.377545			
Observation end date	2000-01-26T09:09:07	2000-01-26T09:20:16			
Read mode	TIMED	TIMED			

2.3 Aspect



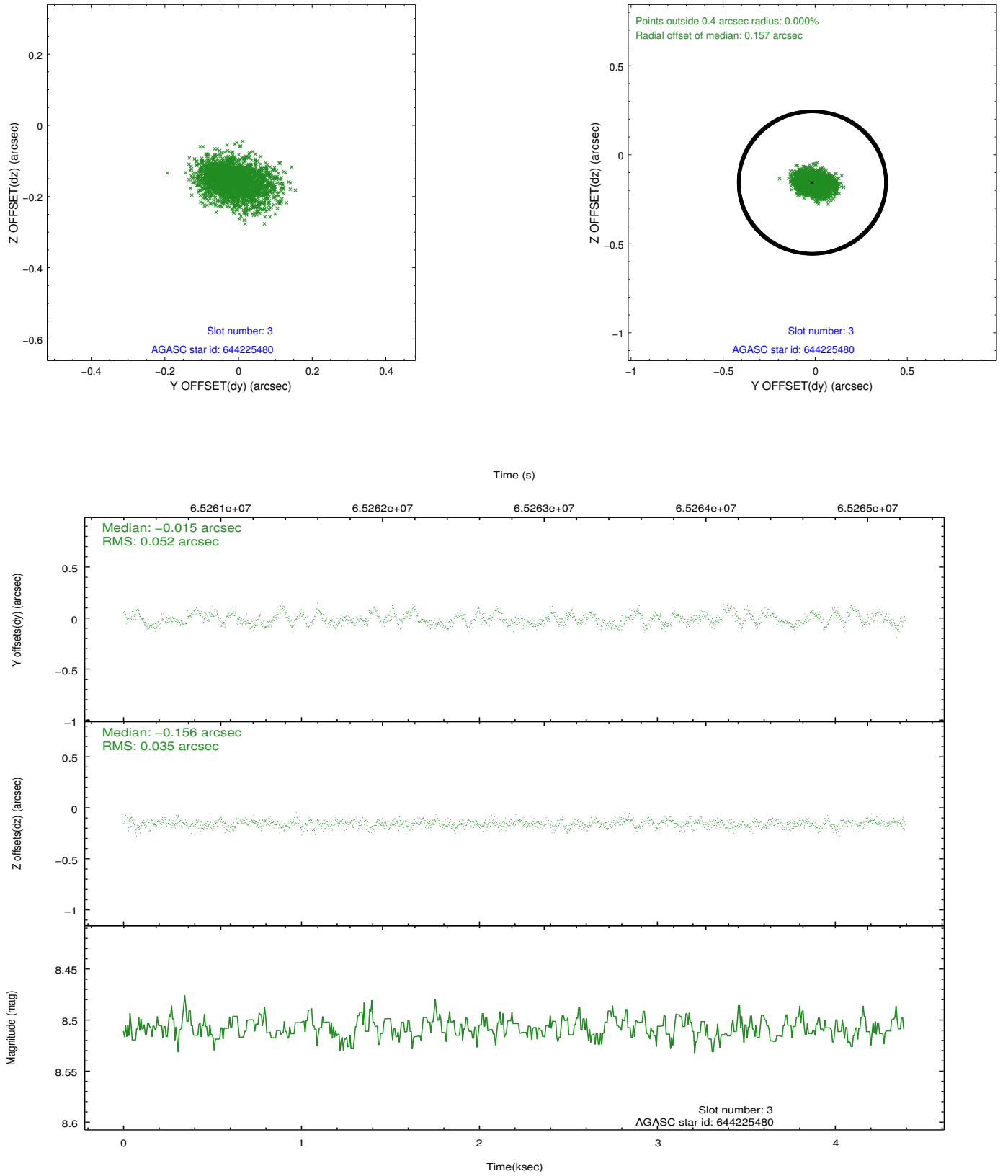


Slot Statistics

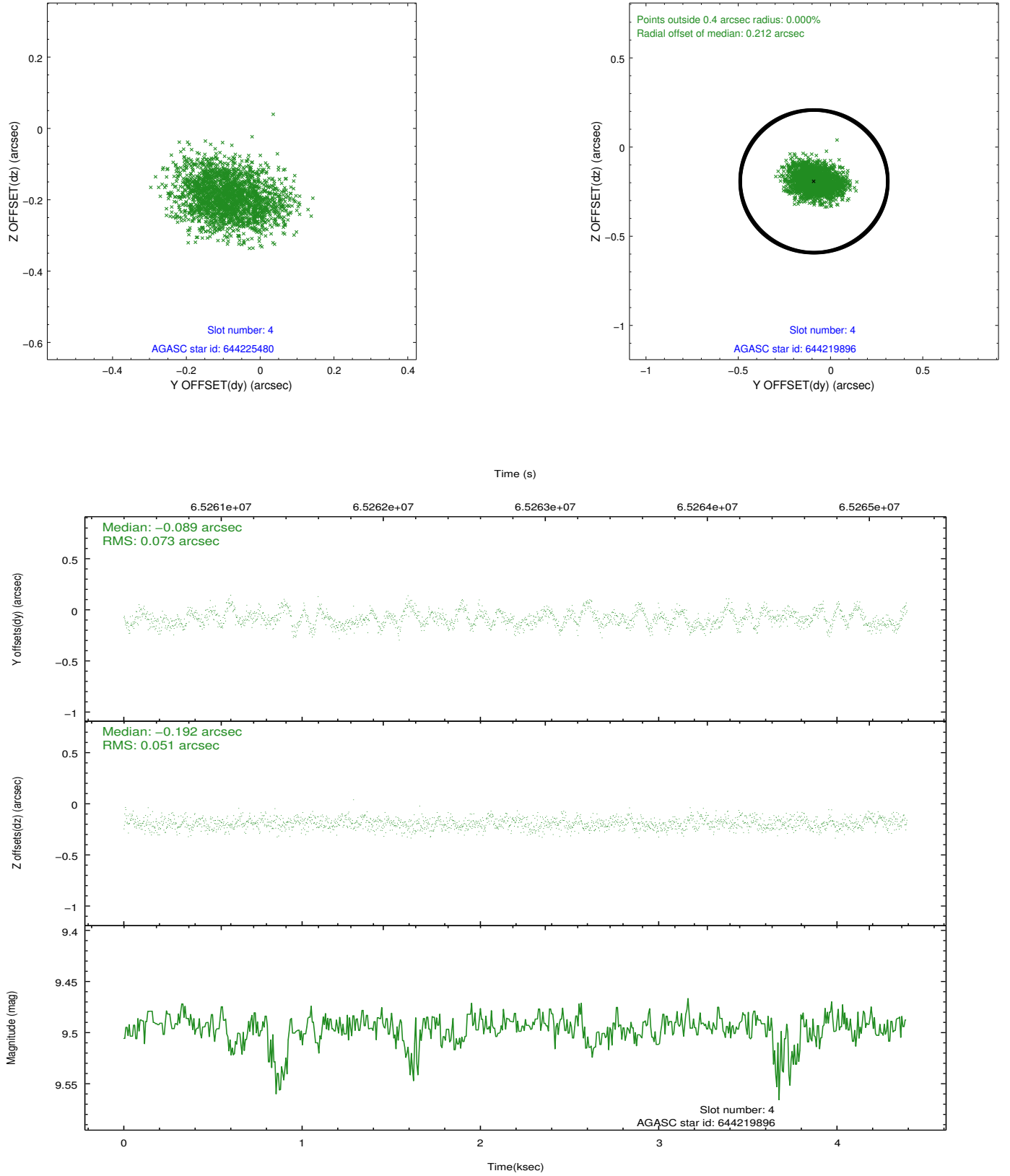
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.20	1071	0.039	-0.048	0.006	0.011	0.000000	0.000000	941.93	-1719.79
1	FID	ACIS-S-5	7.24	1072	-0.026	0.039	0.006	0.010	0.000000	0.000000	-1806.26	176.52
2	FID	ACIS-S-6	7.36	1071	-0.034	0.020	0.007	0.011	0.000000	0.000000	406.00	821.96
3	GUIDE	644225480	8.51	2143	-0.015	-0.156	0.067	0.108	158.581834	-3.695514	-1008.56	1585.95
4	GUIDE	644219896	9.50	2141	-0.089	-0.192	0.095	0.155	158.858999	-3.041208	1464.59	2236.26
5	GUIDE	644220832	9.85	2140	-0.136	-0.065	0.122	0.197	159.314065	-3.071240	2378.46	874.78
6	GUIDE	644229912	9.83	2143	0.218	0.248	0.103	0.162	159.281004	-4.525480	-1841.19	-2225.78
7	GUIDE	644228208	10.01	2139	0.020	0.165	0.126	0.198	159.503092	-4.346950	-847.76	-2466.83

2.4 Star Slots

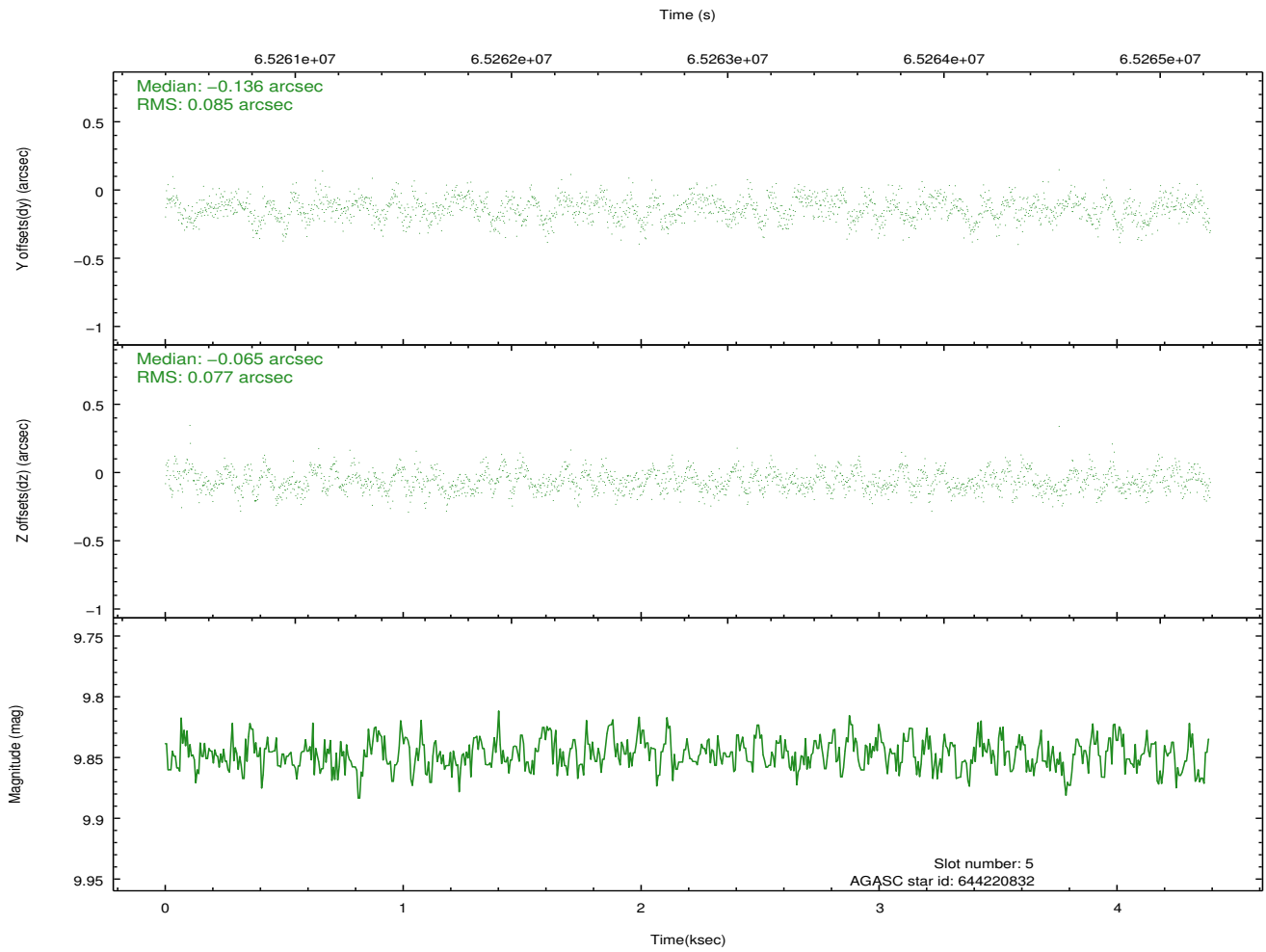
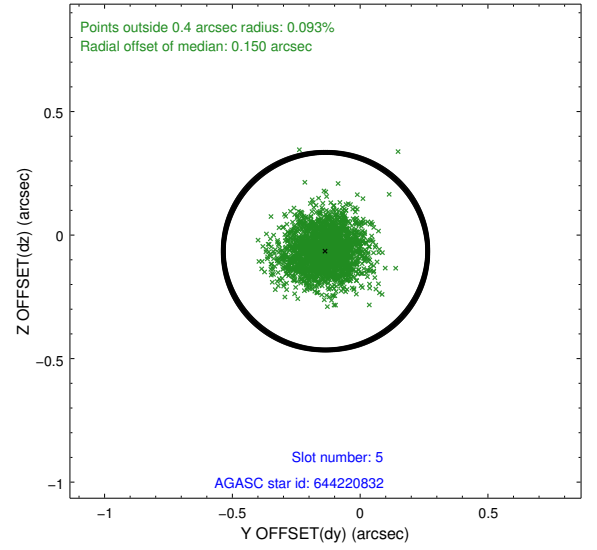
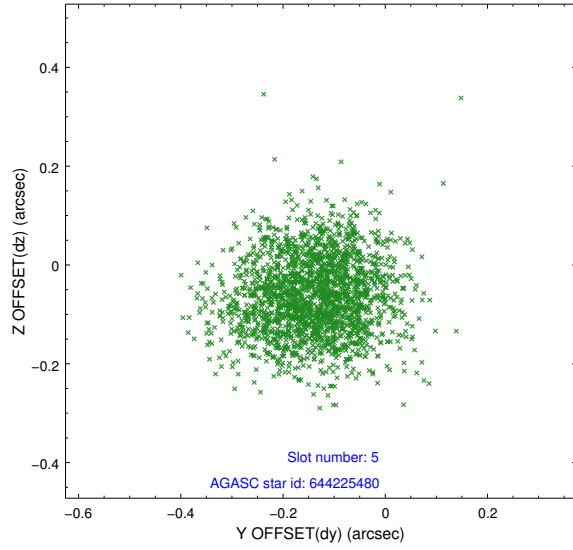
2.4.1 Slot 3



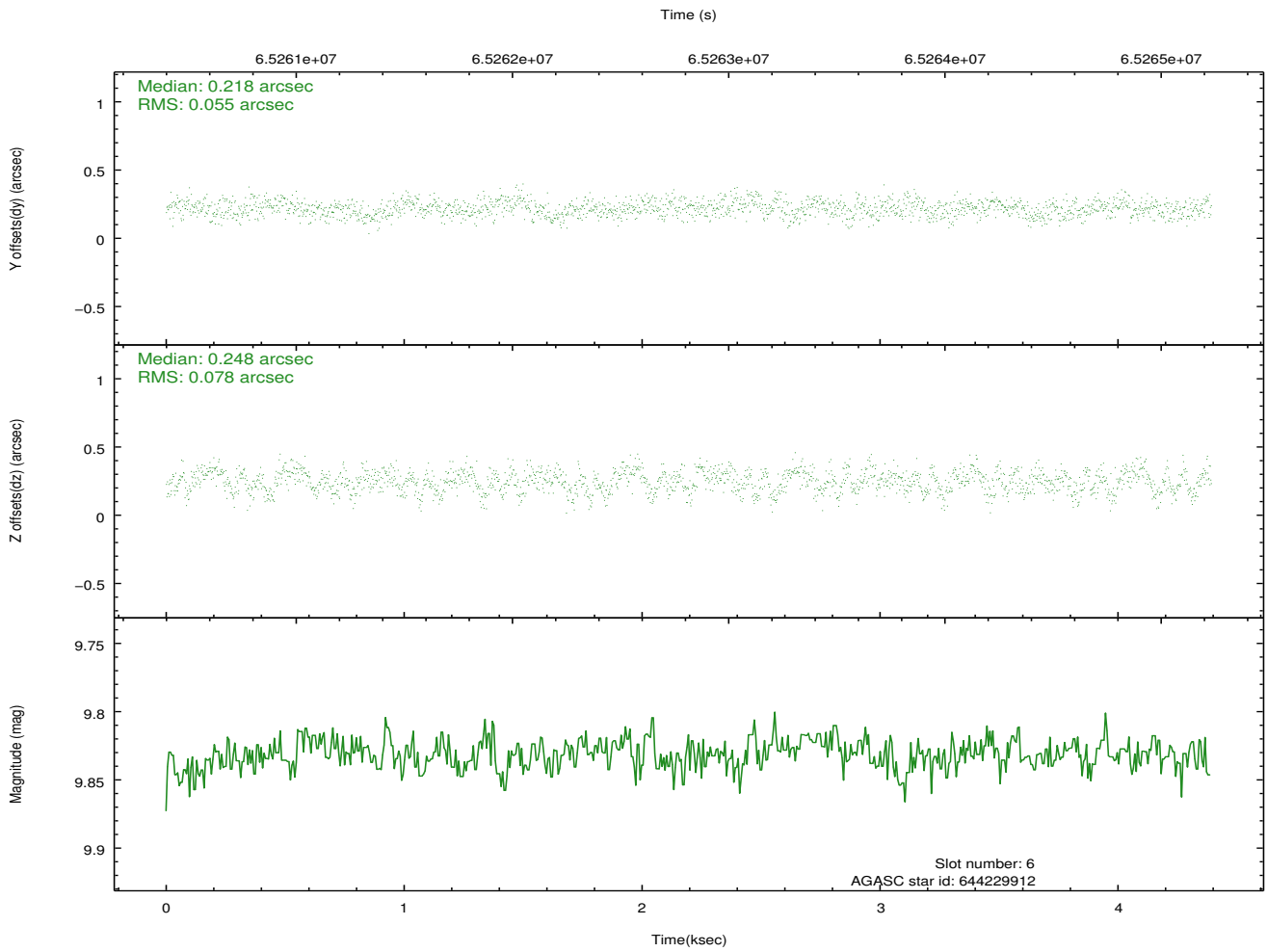
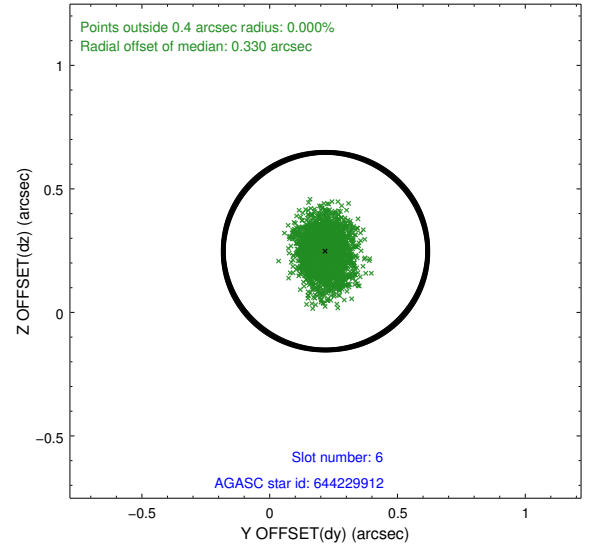
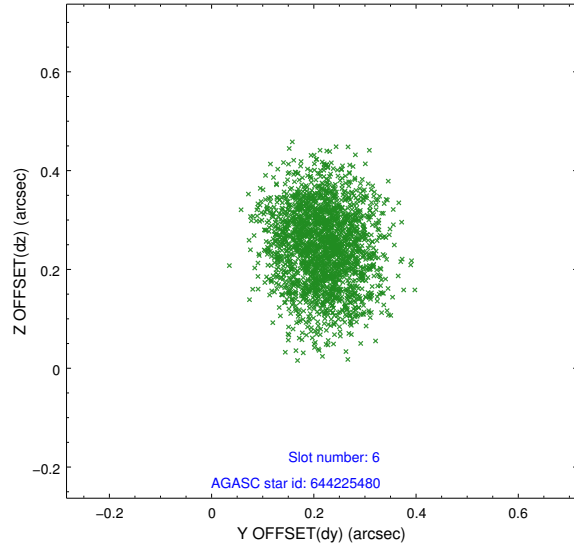
2.4.2 Slot 4



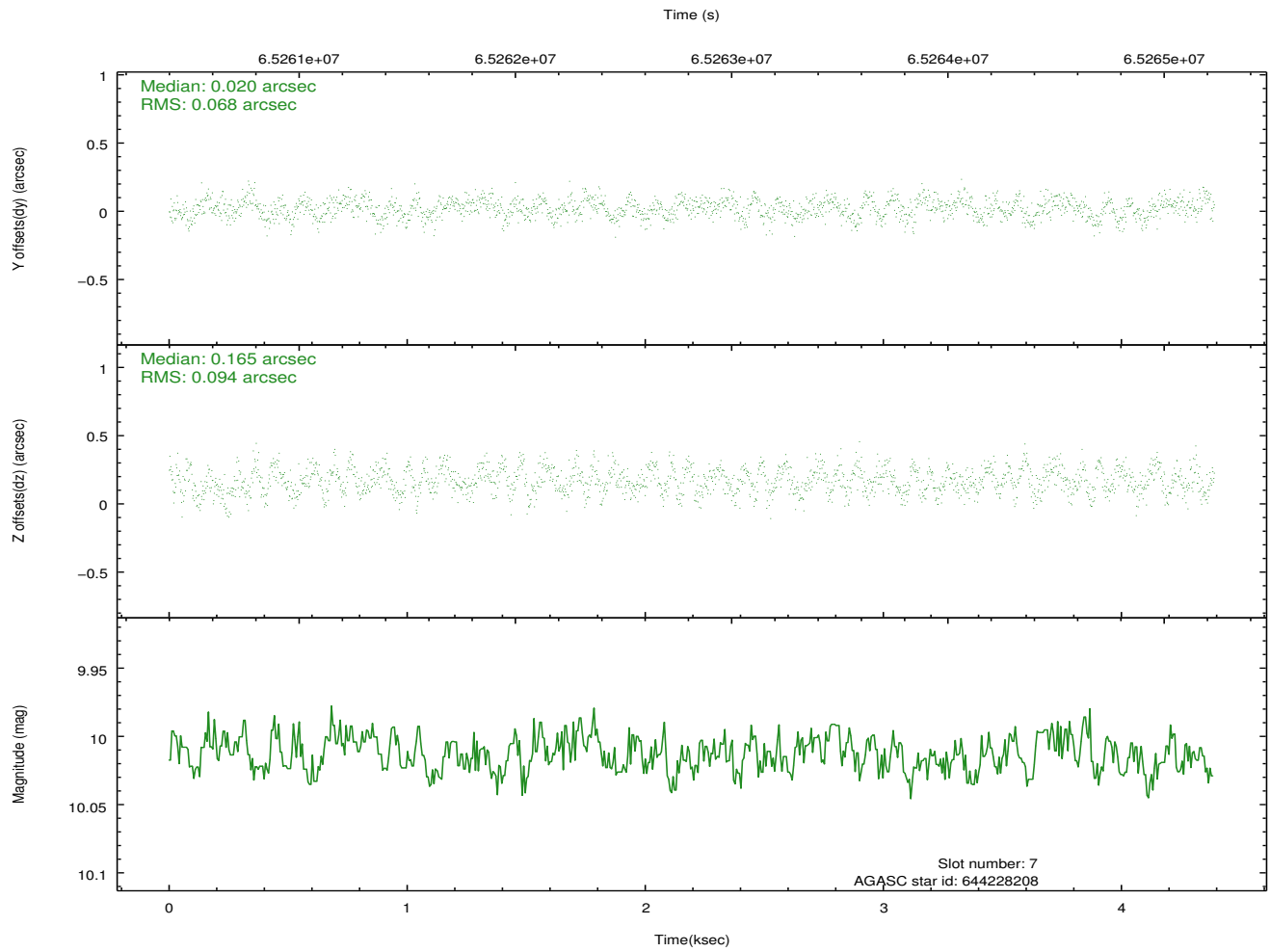
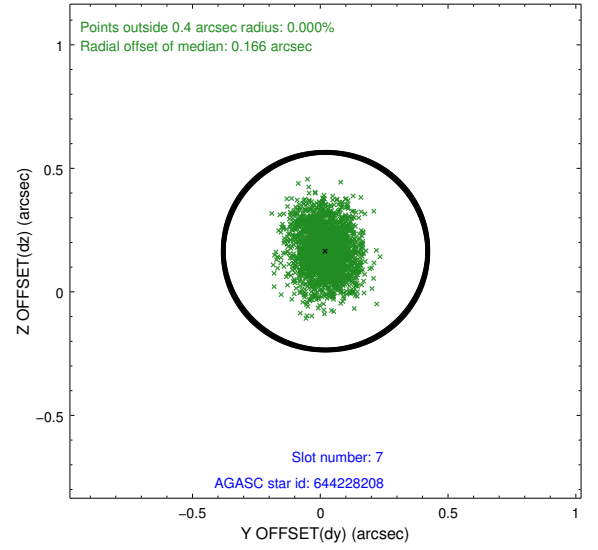
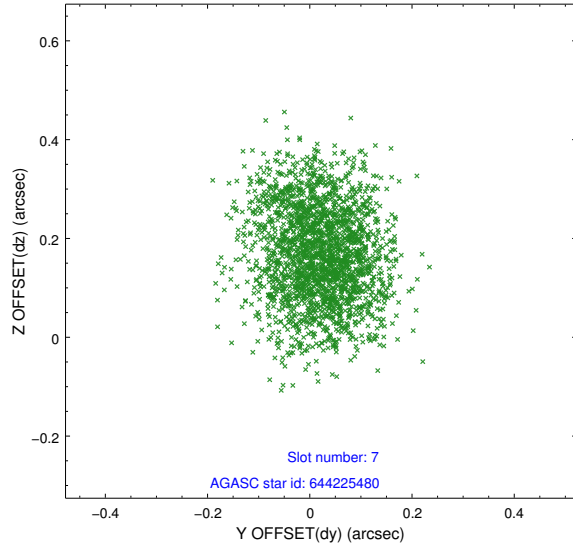
2.4.3 Slot 5



2.4.4 Slot 6

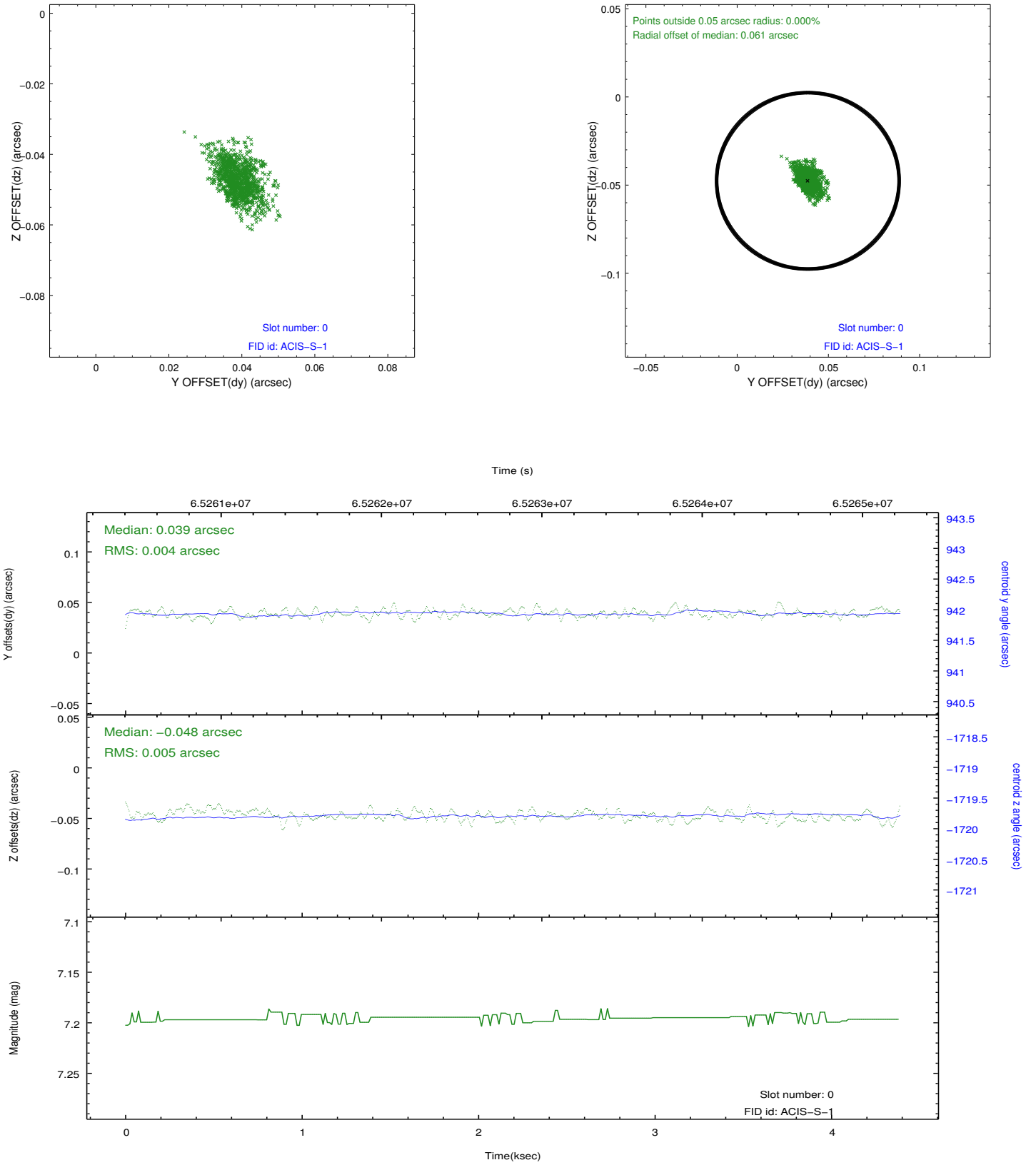


2.4.5 Slot 7

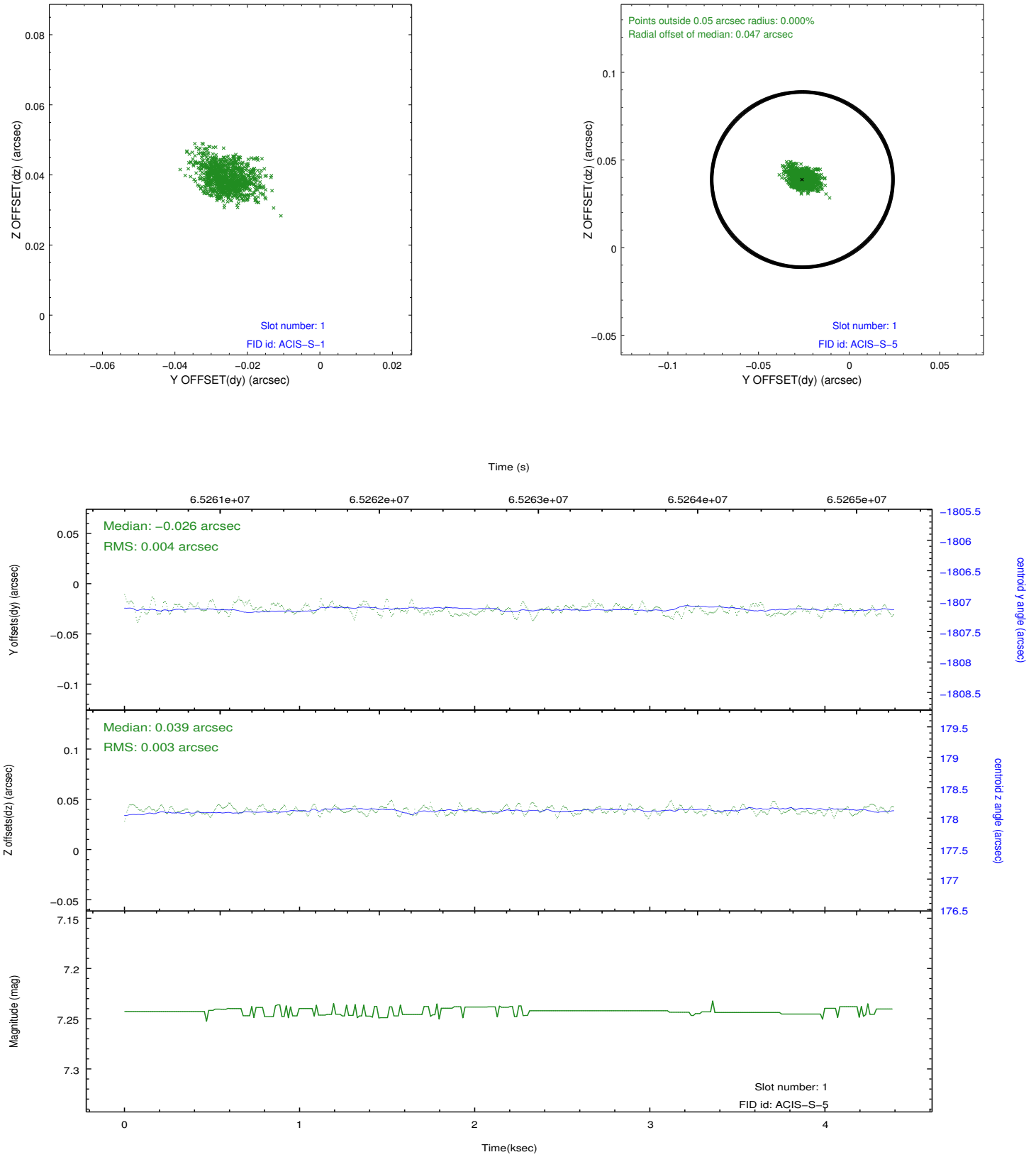


2.5 FID Slots

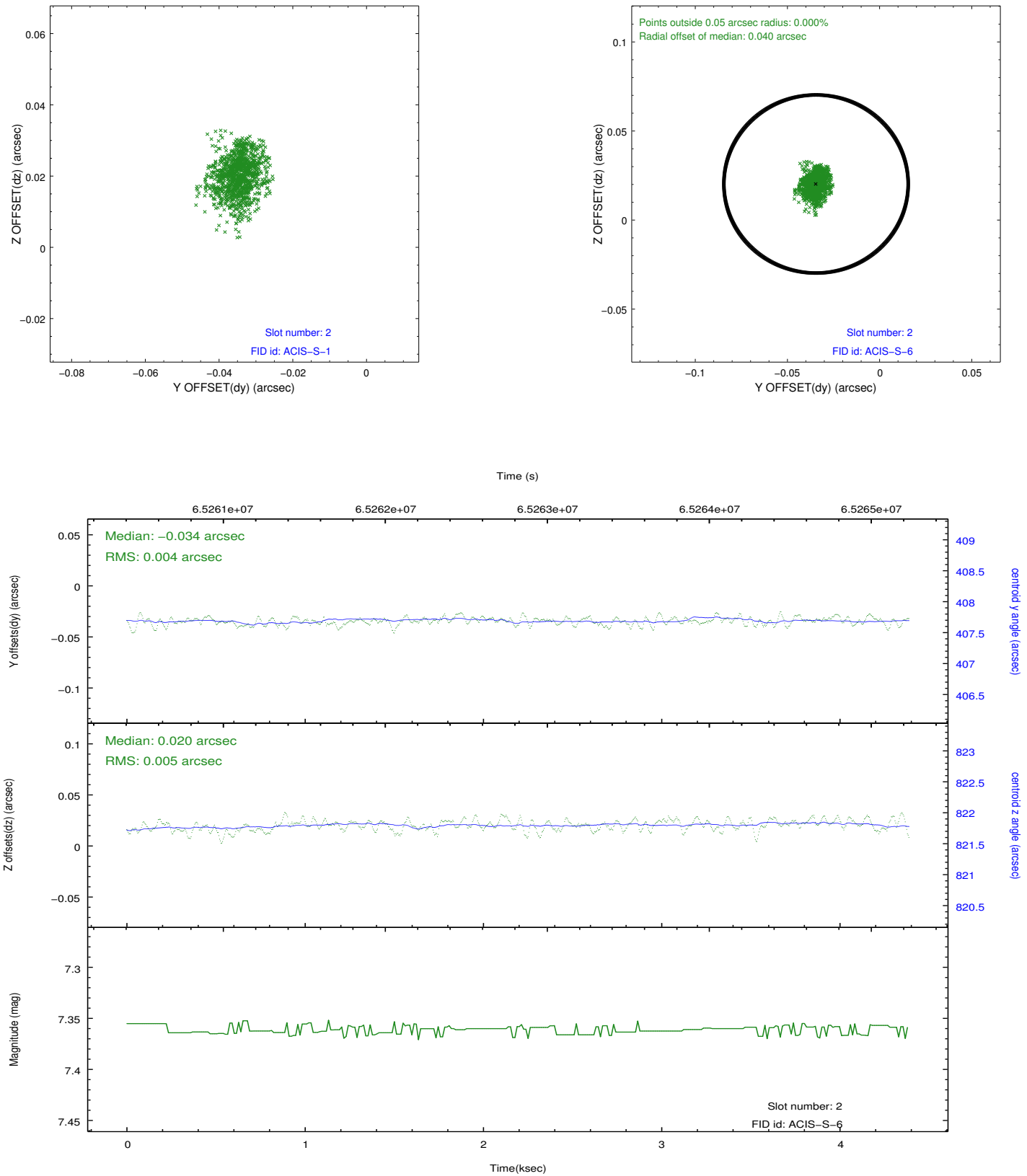
2.5.1 Slot 0



2.5.2 Slot 1

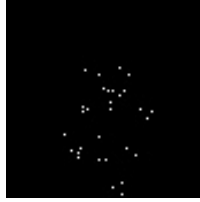


2.5.3 Slot 2



3 Point Sources

7.30 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.589

A.2 Comments

Focal plane temperature is warmer than -118.7 C degrees during the entire observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips. The focal plane temperature is also warmer than -116.7 degrees C for the entire observation. This temperature is the upper limit of the verified ACIS calibration for the back-illuminated chips. The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.