

V&V Reference Report

L2 ASCDS Version : 10

Observation 15331 - L2 Version 2
Chandra X-Ray Center

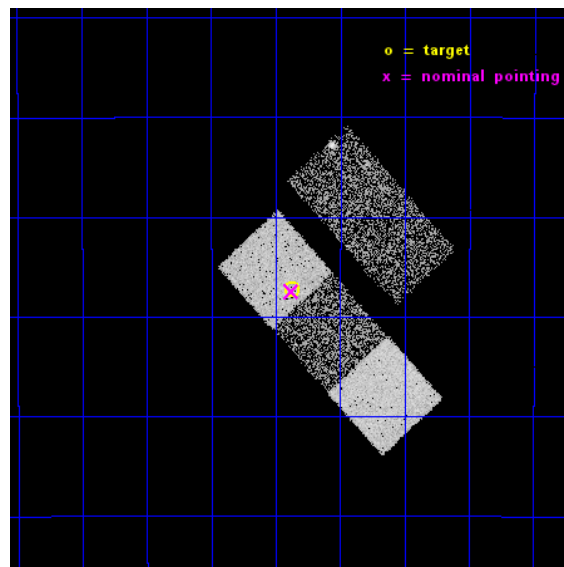
L2 Processing Date : Dec 4 2014

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1 Front

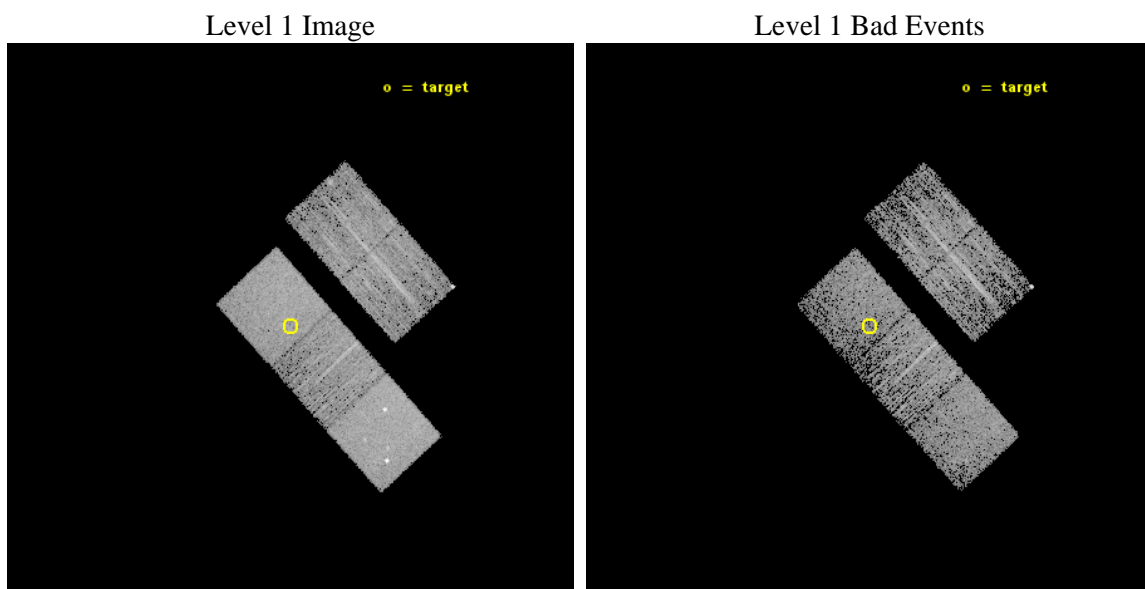
seq_num	601087	Sequence number
obs_id	15331	Observation id
title	Low stellar mass galaxies with unusually large velocity dispersions	
observer	Dr Stephen Murray	Principal investigator
object	ESO498-006	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	141.21875	Observer's specified target RA [deg]
dec_targ	-25.788333	Observer's specified target Dec [deg]
ra_nom	141.2196558267	Nominal RA [deg]
dec_nom	-25.791307442936	Nominal Dec [deg]
roll_nom	227.6855232915	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5341.3000410795	Sum of GTIs [s]
livetime	5271.5120238349	Livetime [s]
ontime2	5341.3000410795	Sum of GTIs [s]
ontime3	5341.3000410795	Sum of GTIs [s]
ontime5	5341.3000410795	Sum of GTIs [s]
ontime6	5341.3000410795	Sum of GTIs [s]
ontime7	5341.3000410795	Sum of GTIs [s]
l2events	43222	Number of level 2 events



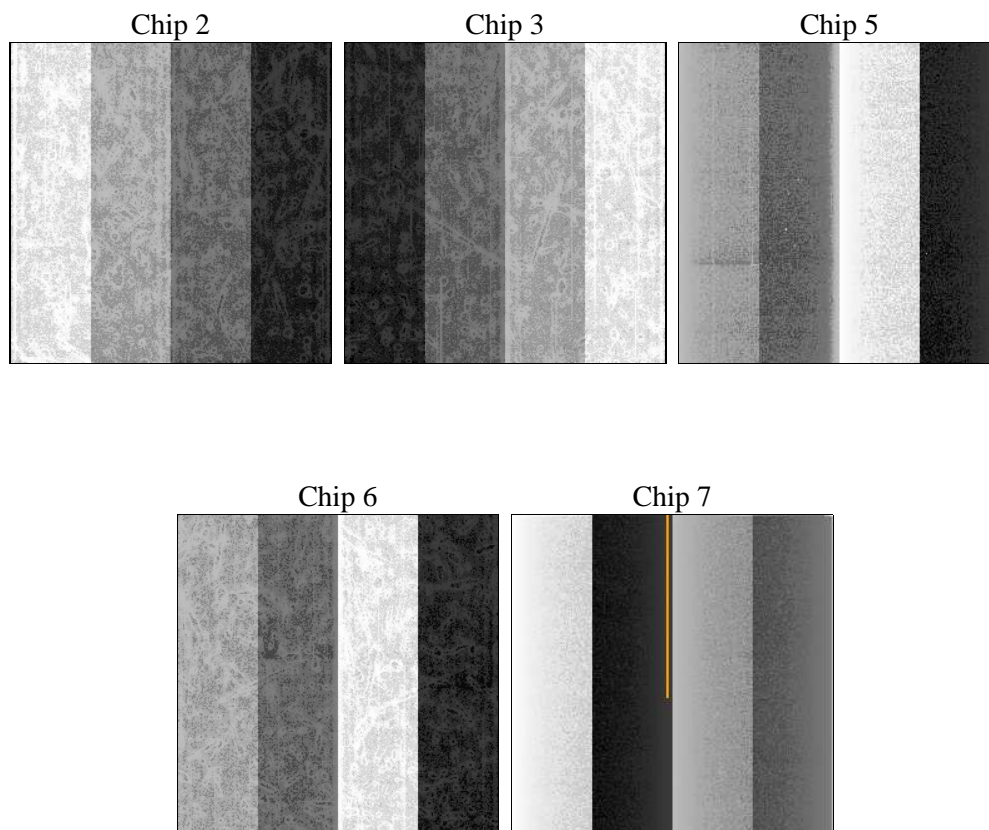
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5272.893000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	5341.3000410795	Sum of GTIs [s]
caldsver	4.6.4	 	ontime2	5341.3000410795	Sum of GTIs [s]
date	2014-12-04T06:38:22	Date and time of file creation	ontime3	5341.3000410795	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5341.3000410795	Sum of GTIs [s]
			ontime6	5341.3000410795	Sum of GTIs [s]
			ontime7	5341.3000410795	Sum of GTIs [s]
			l1events	159416	Number of level 1 events

2.1.4 Events

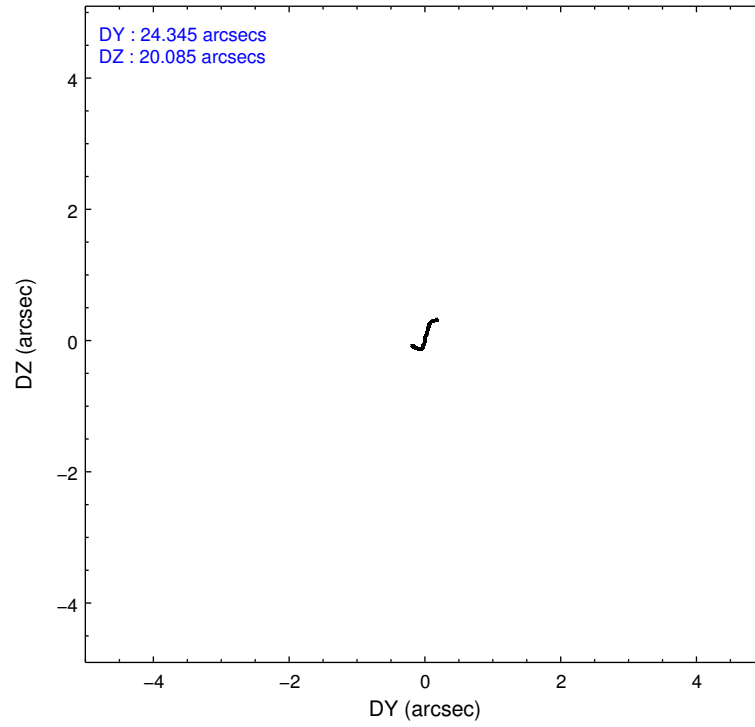
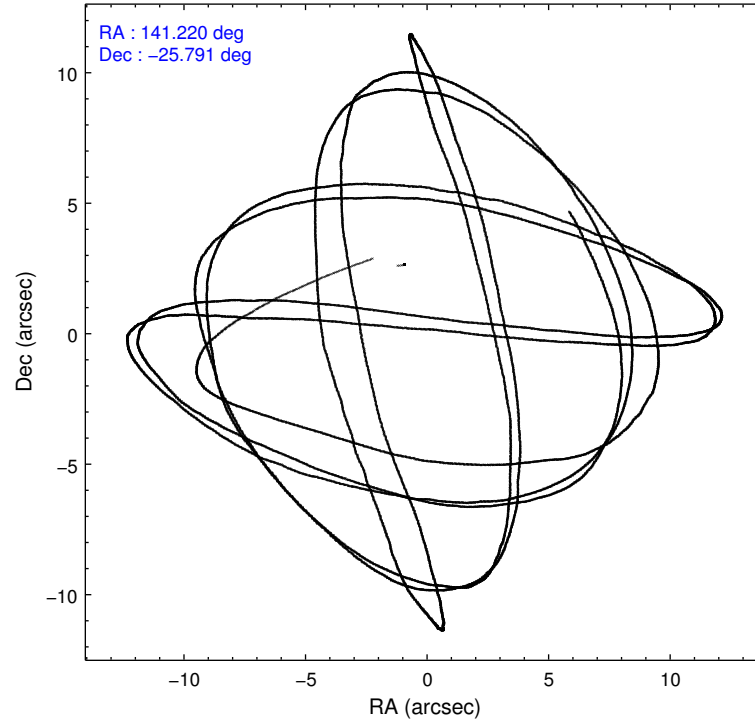
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	27011	24814	44985	27037	35569
rejected events	23719	21770	22447	23632	19724
rejected %	87%	87%	49%	87%	55%

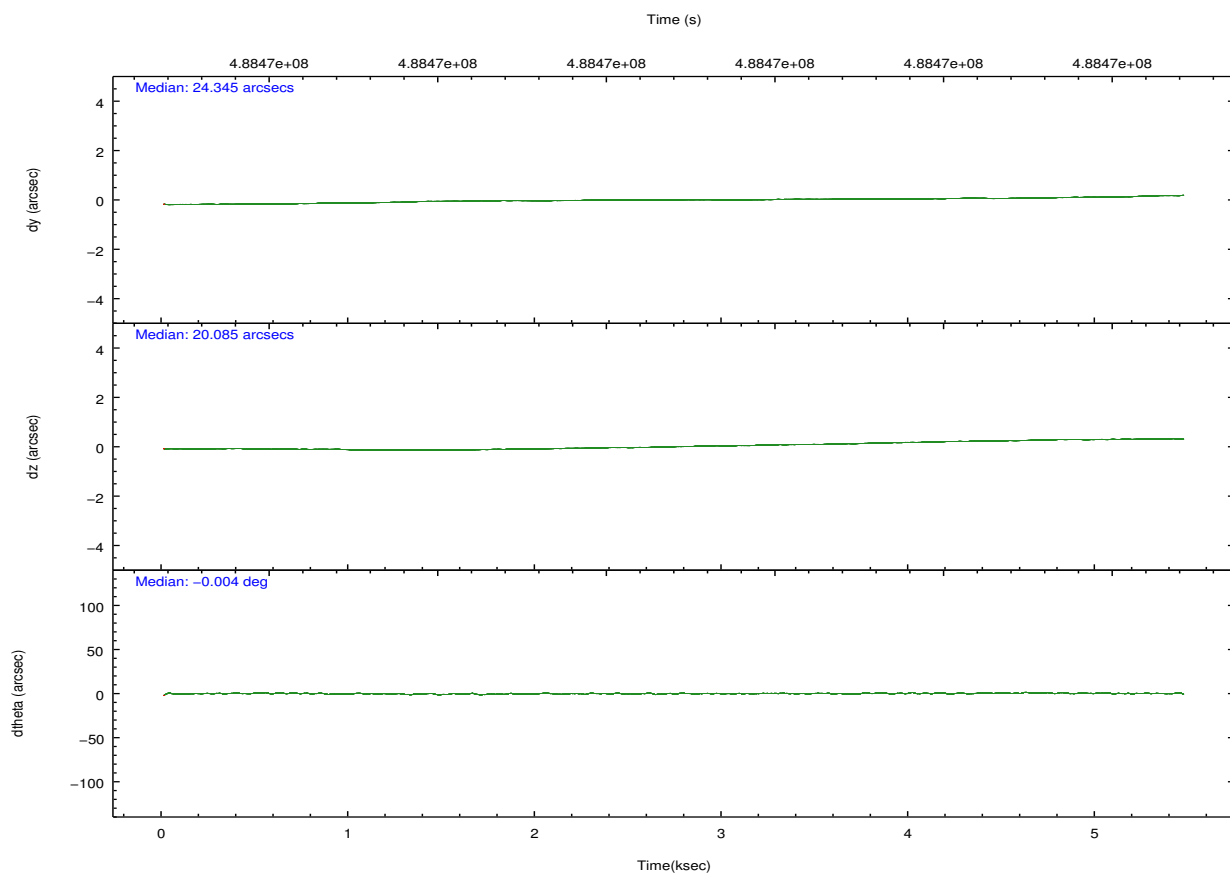
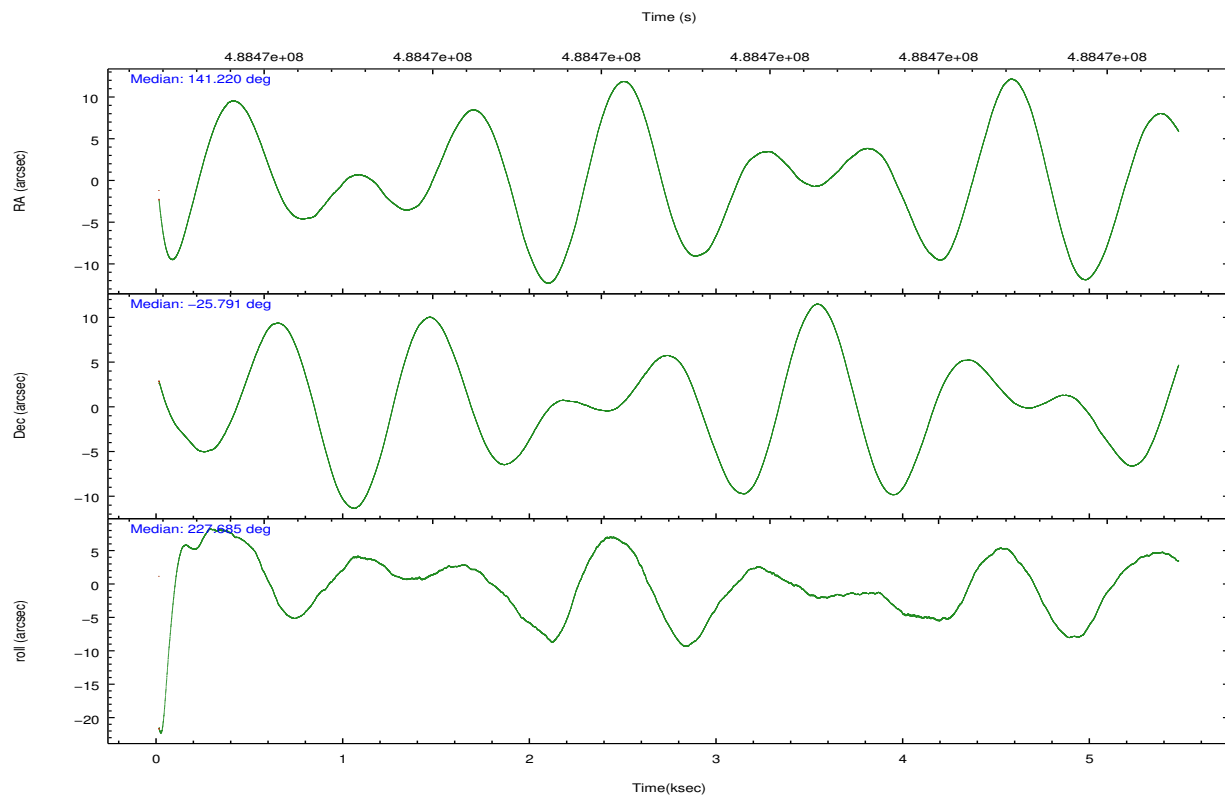
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	1306	1198	3227	1301	1371
	4%	4%	7%	4%	3%
grade 1 events	19	13	92	9	41
	0%	0%	0%	0%	0%
grade 2 events	784	642	6814	794	3315
	2%	2%	15%	2%	9%
grade 3 events	282	307	735	338	1372
	1%	1%	1%	1%	3%
grade 4 events	357	300	775	293	1364
	1%	1%	1%	1%	3%
grade 5 events	1455	1336	3135	1274	3498
	5%	5%	6%	4%	9%
grade 6 events	567	597	10996	682	8434
	2%	2%	24%	2%	23%
grade 7 events	22241	20421	19211	22346	16174
	82%	82%	42%	82%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	141.225699	141.2196558266977	Subarray requested	NONE	NONE
[deg] Pointing Dec	-25.764461	-25.79130744293568	Alternating exposures requested	N	N
[deg] Pointing Roll	227.531608	227.6855232915033	[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)	488465871.184000	488464869.33221			
Observation start date	2013-06-24T12:56:44	2013-06-24T12:41:09			
[s] Observation end time (MET)	488471143.184000	488471369.37007			
Observation end date	2013-06-24T14:24:36	2013-06-24T14:29:29			
Read mode	TIMED	TIMED			

2.3 Aspect



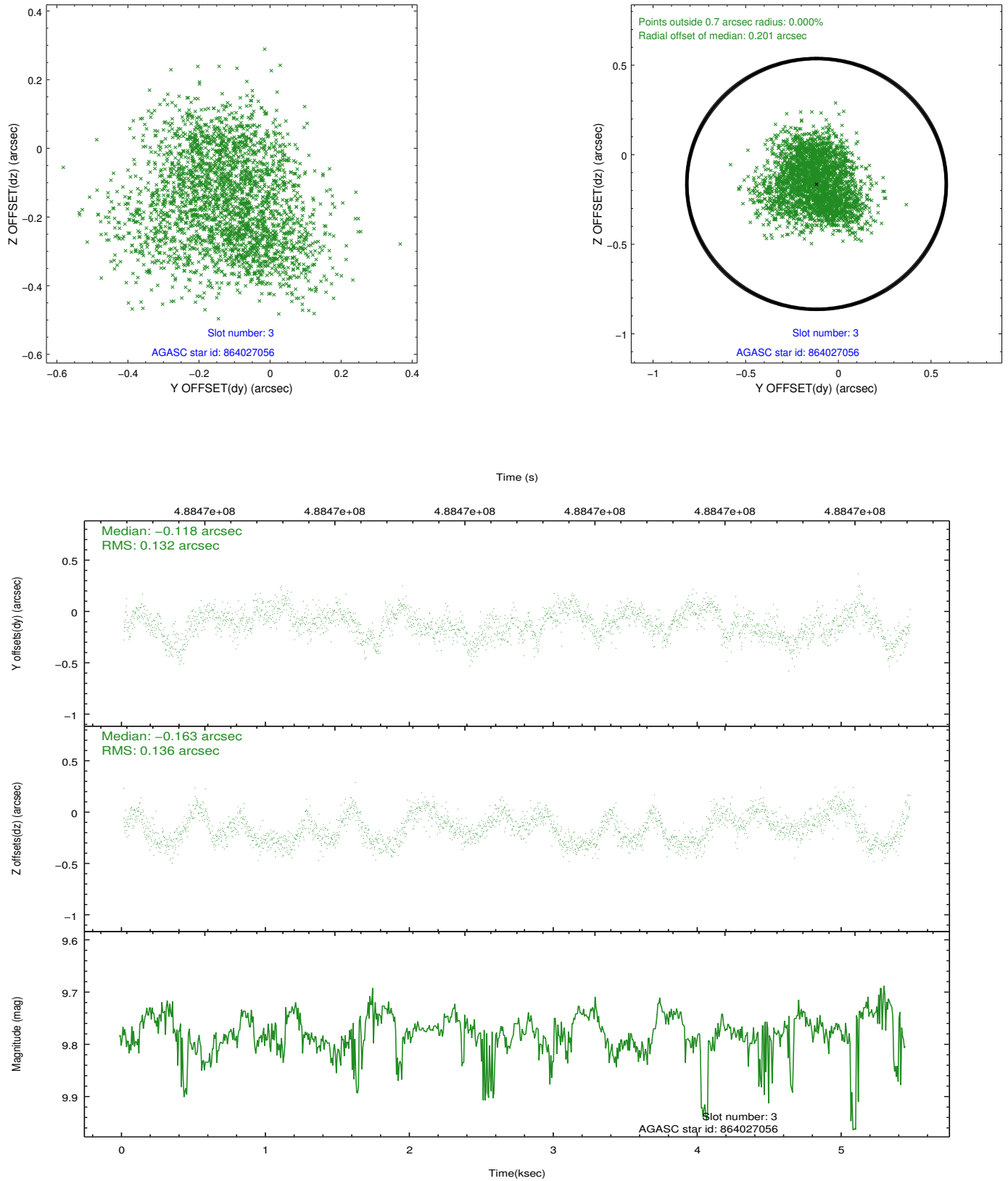


Slot Statistics

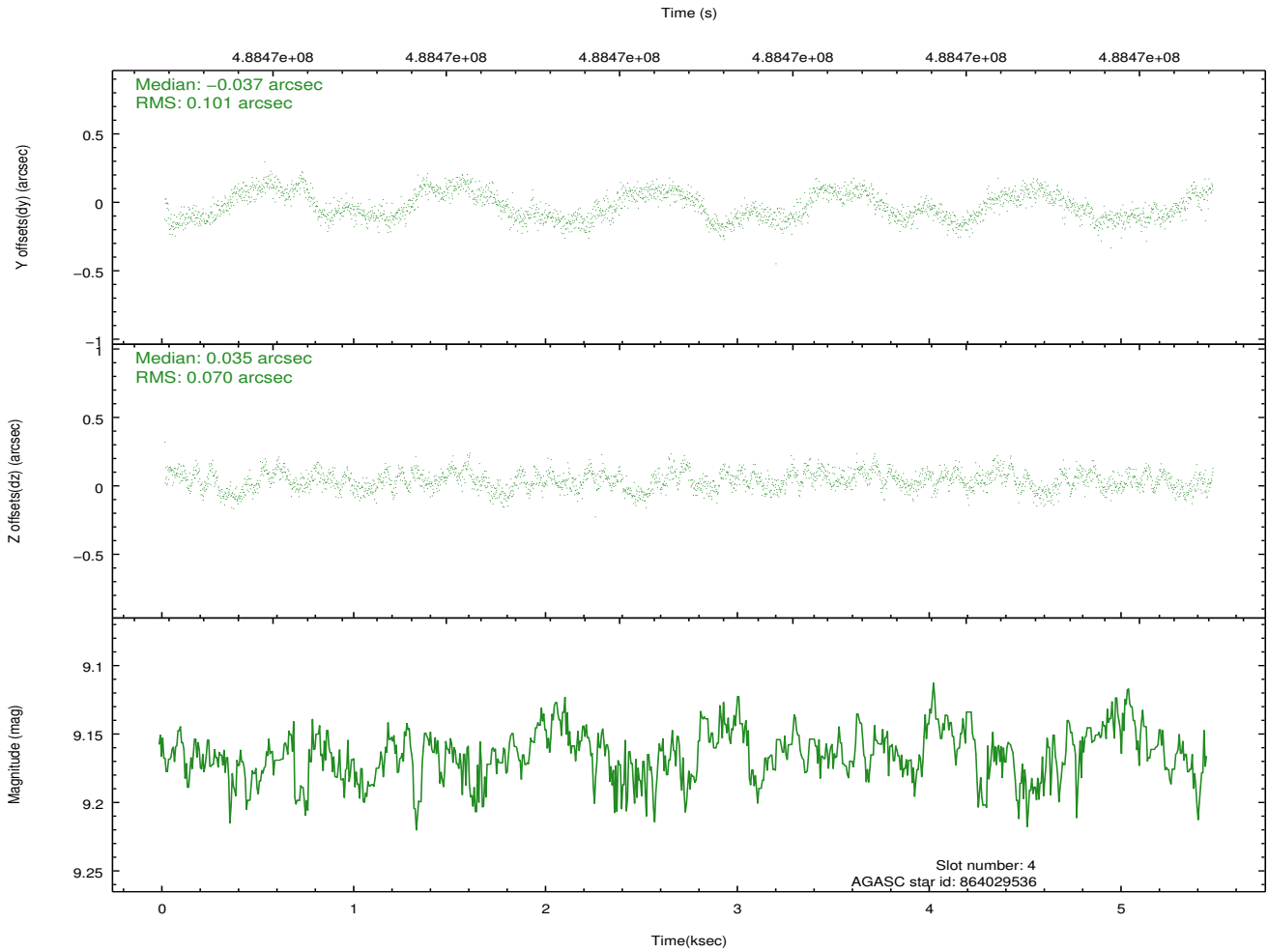
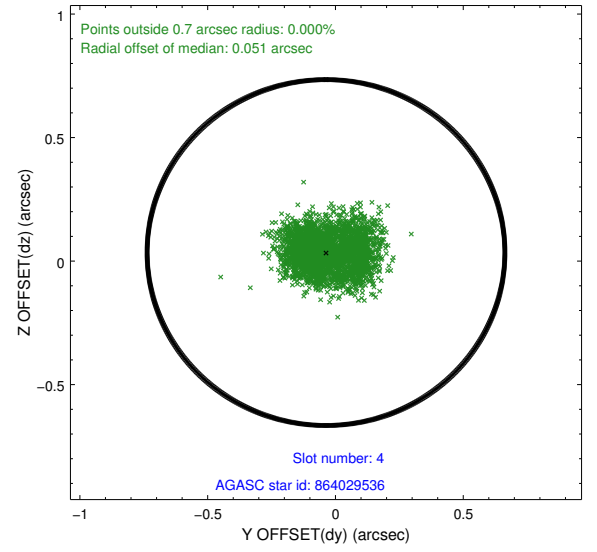
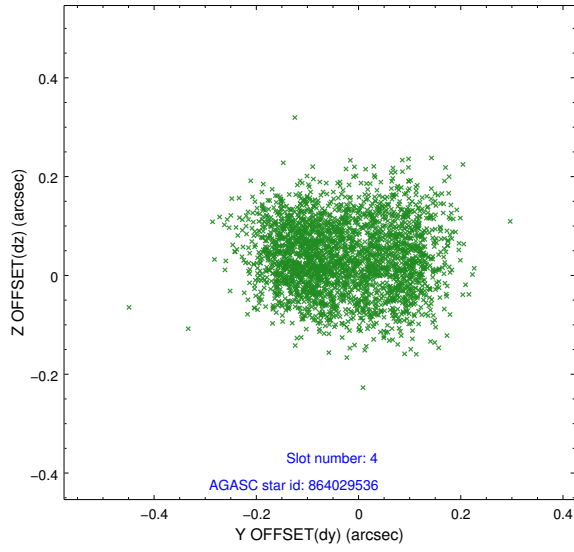
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.95	1333	-0.162	0.003	0.012	0.018	0.000000	0.000000	-777.71	-1741.65
1	FID		ACIS-S-4	7.03	1333	0.321	0.078	0.006	0.011	0.000000	0.000000	2135.53	165.78
2	FID		ACIS-S-5	7.06	1333	-0.190	-0.072	0.012	0.020	0.000000	0.000000	-1829.19	160.53
3	GUIDE	used	864027056	9.78	2640	-0.118	-0.163	0.206	0.315	140.660153	-26.148817	2257.58	-411.33
4	GUIDE	used	864029536	9.17	2664	-0.037	0.035	0.134	0.201	140.932202	-25.974514	1200.89	-189.41
5	GUIDE	used	864033200	9.85	2653	0.177	0.122	0.216	0.377	140.593398	-25.896400	1737.50	-1186.77
6	GUIDE	used	864041584	8.50	2666	-0.017	-0.025	0.079	0.137	141.916019	-25.551879	-2073.27	1140.73
7	GUIDE	used	864043776	9.76	2641	0.012	0.037	0.244	0.363	142.028906	-25.820047	-1604.62	2061.04

2.4 Star Slots

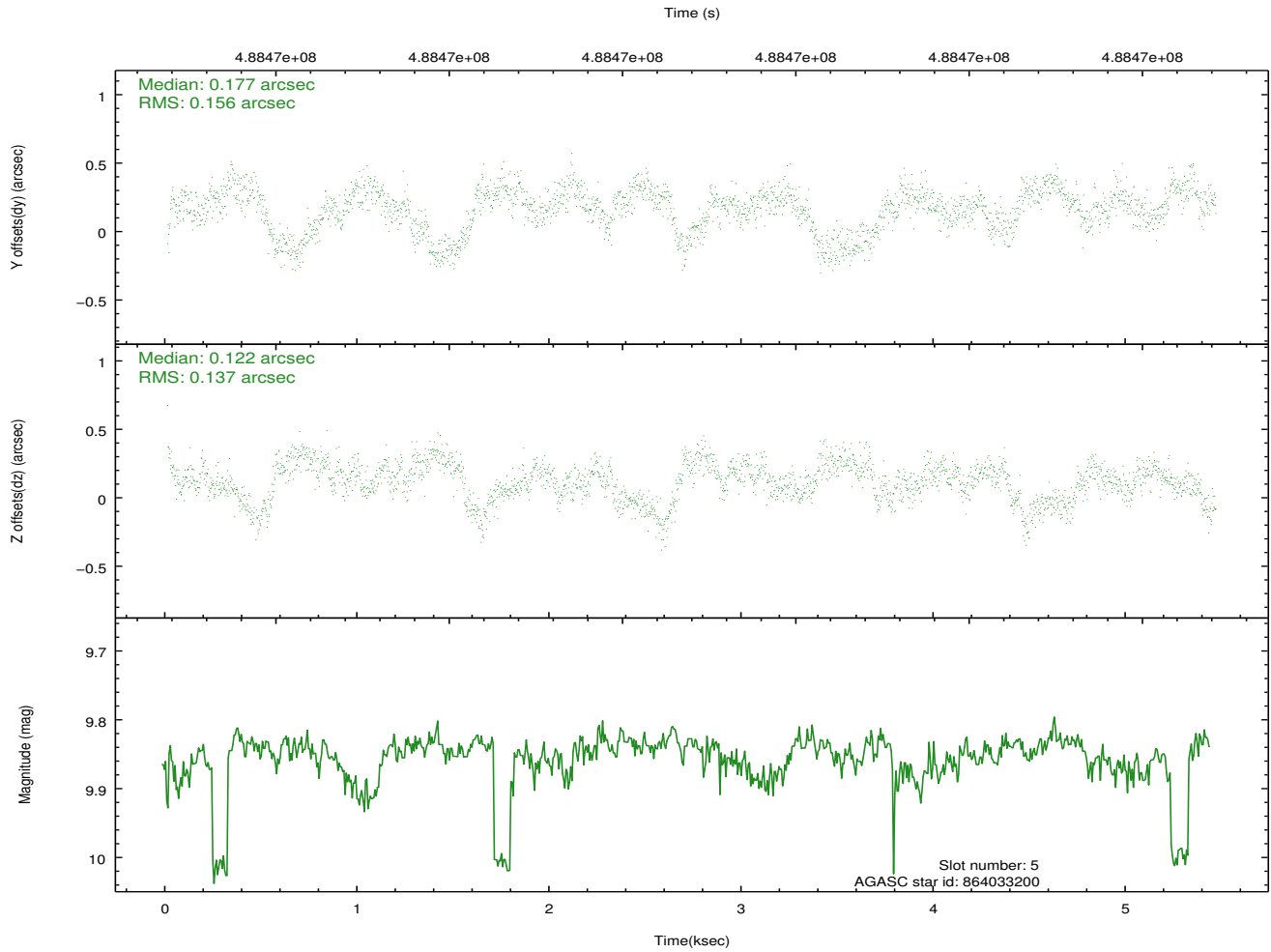
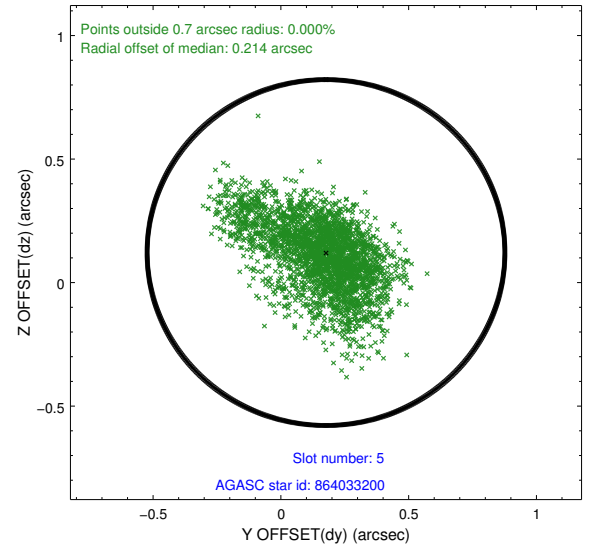
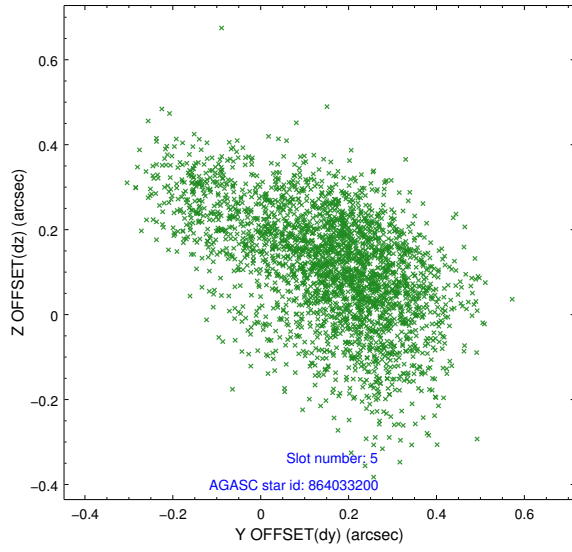
2.4.1 Slot 3



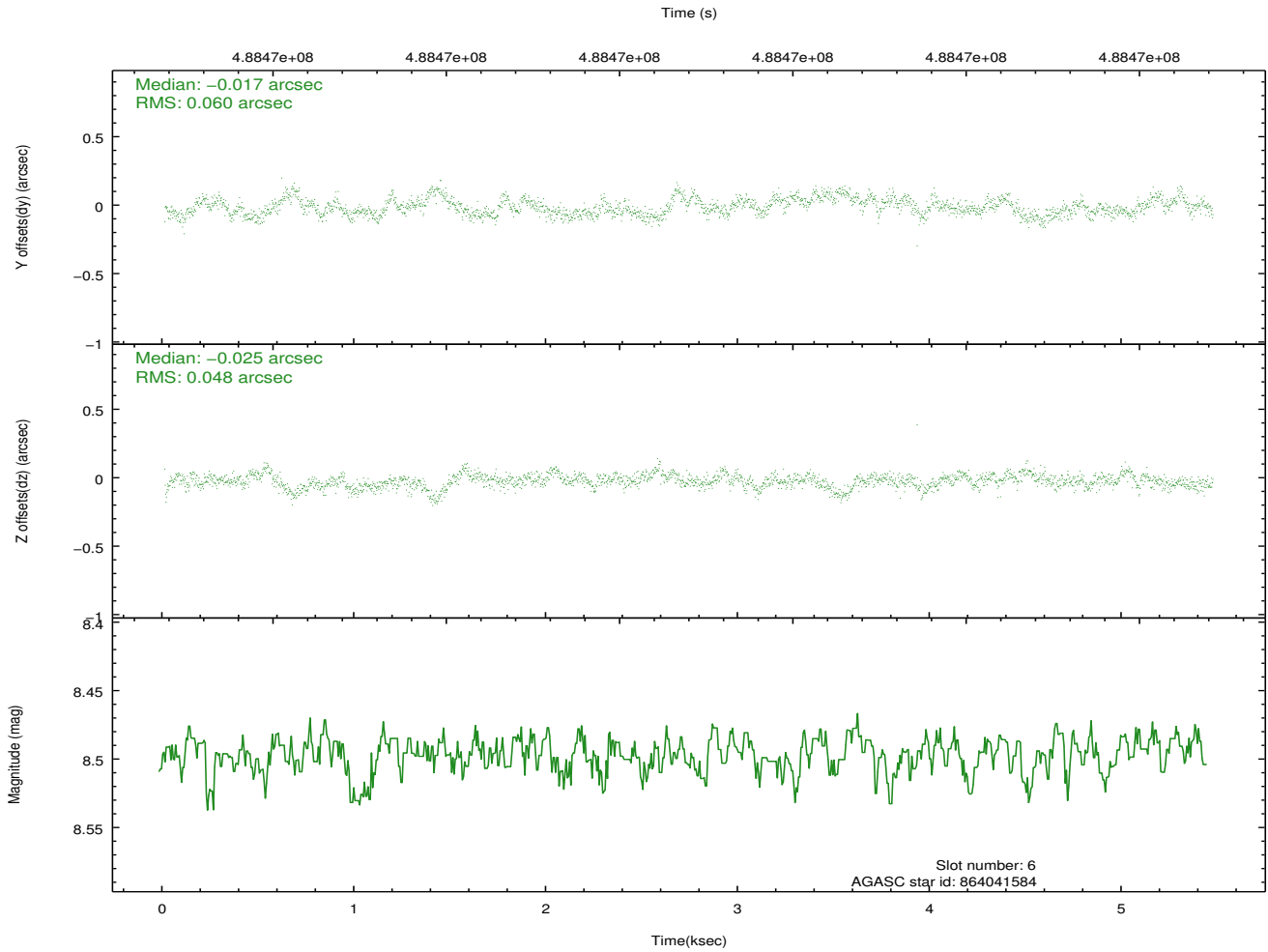
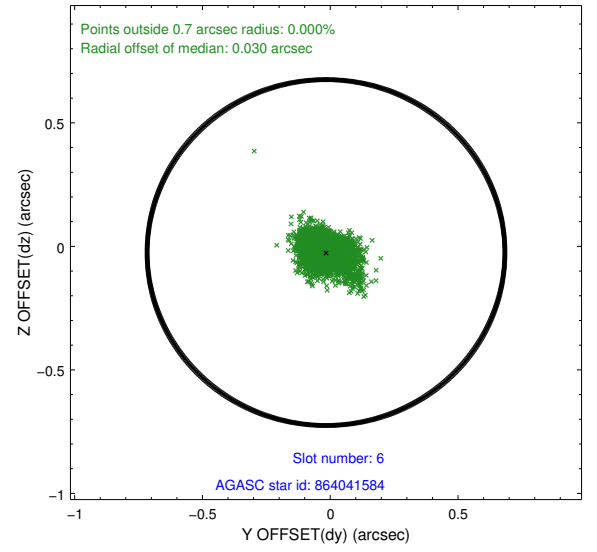
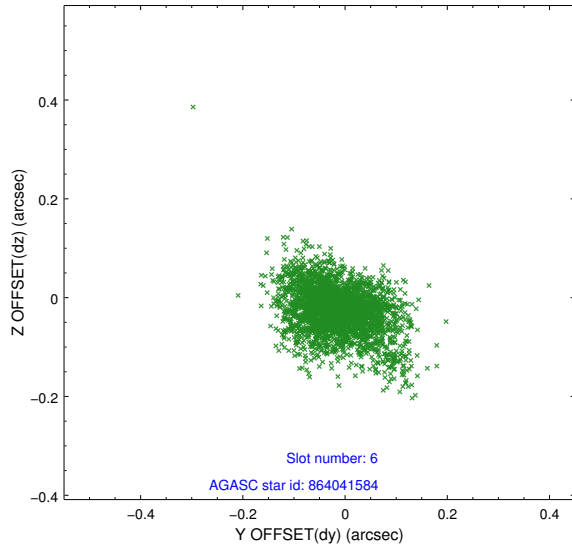
2.4.2 Slot 4



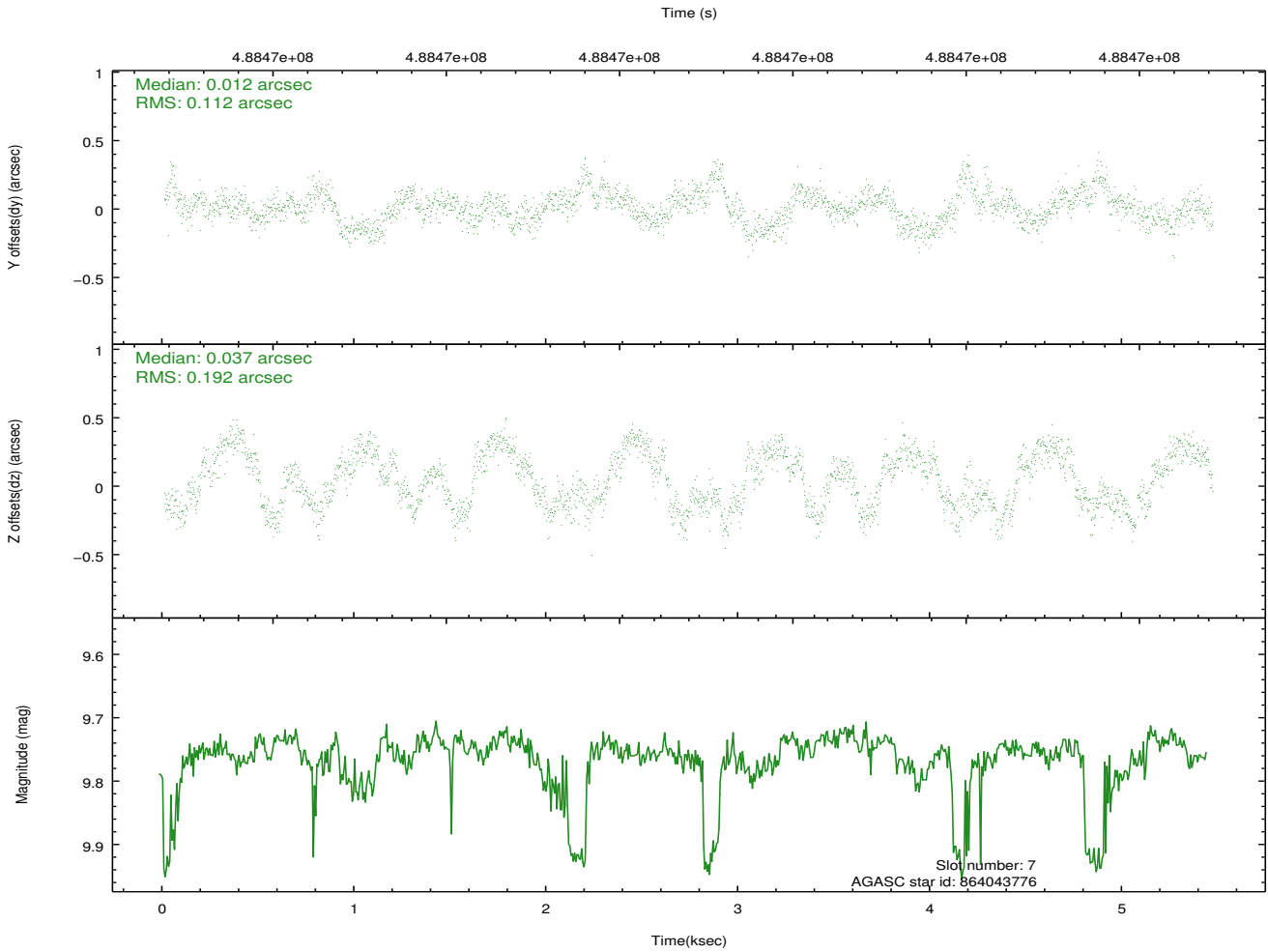
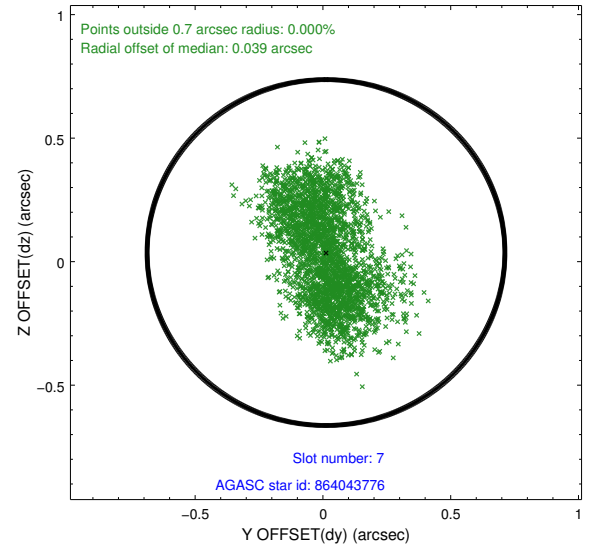
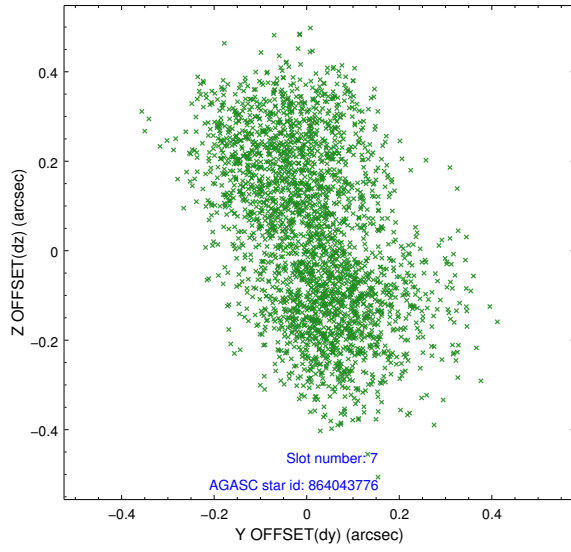
2.4.3 Slot 5



2.4.4 Slot 6

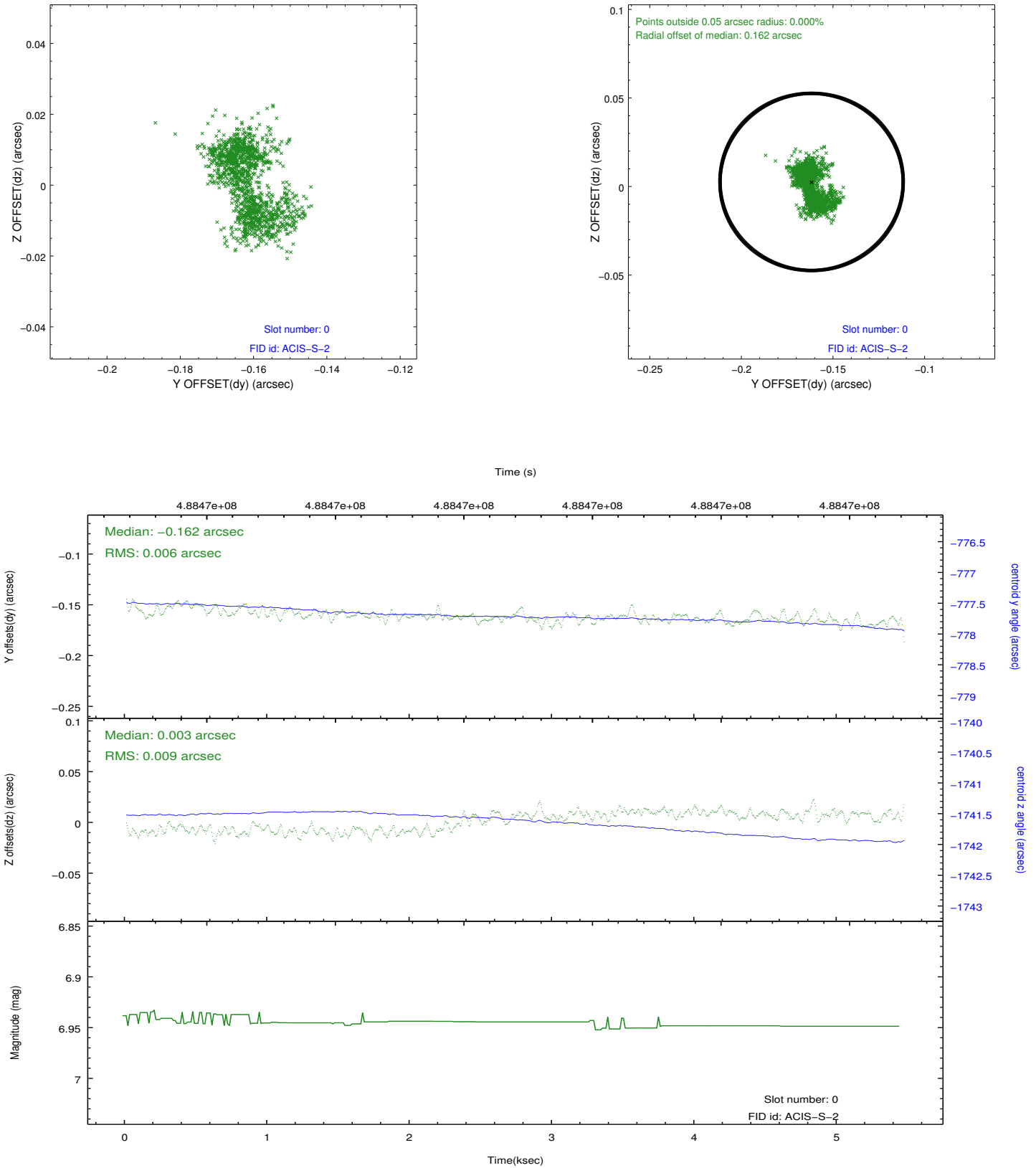


2.4.5 Slot 7

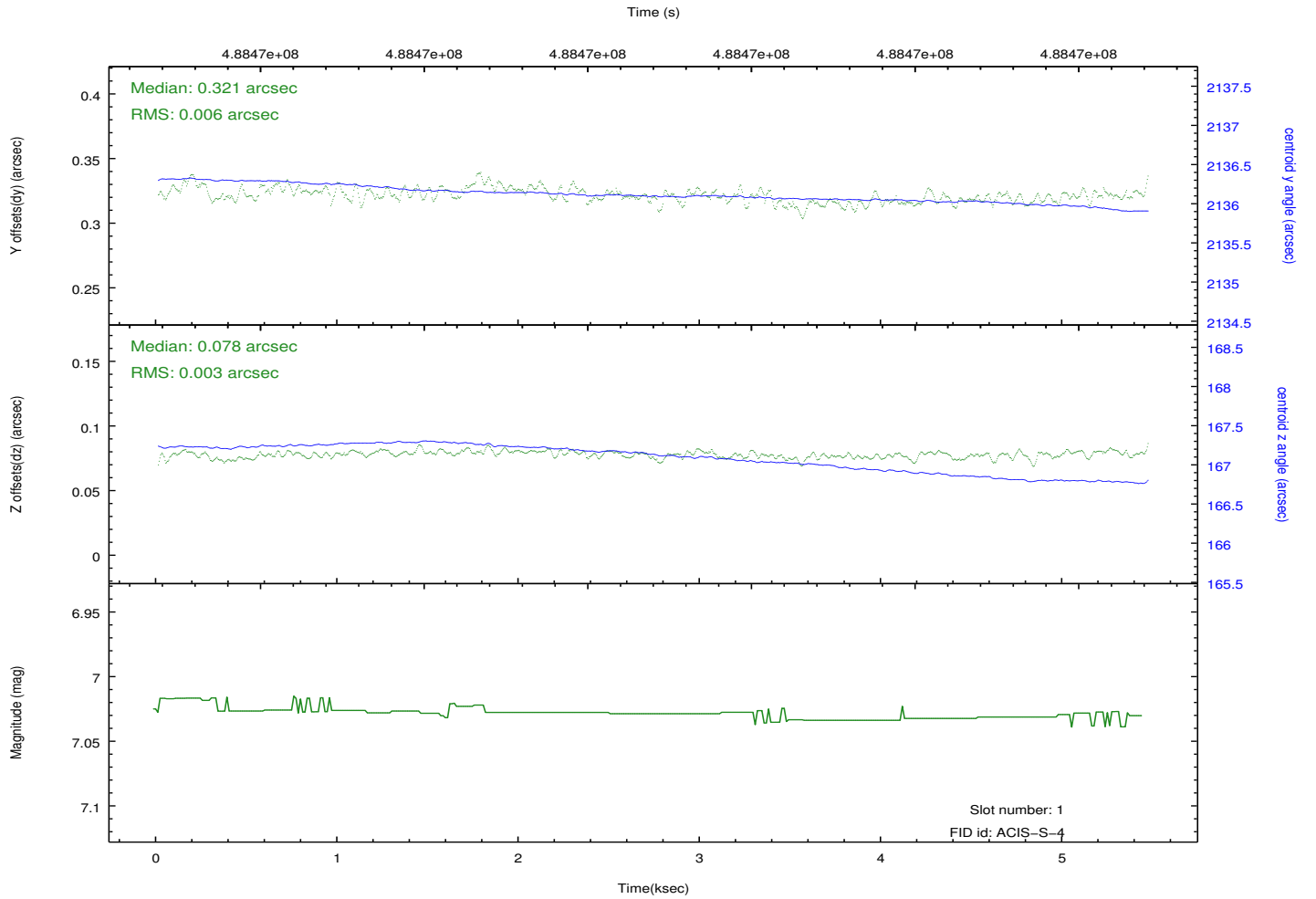
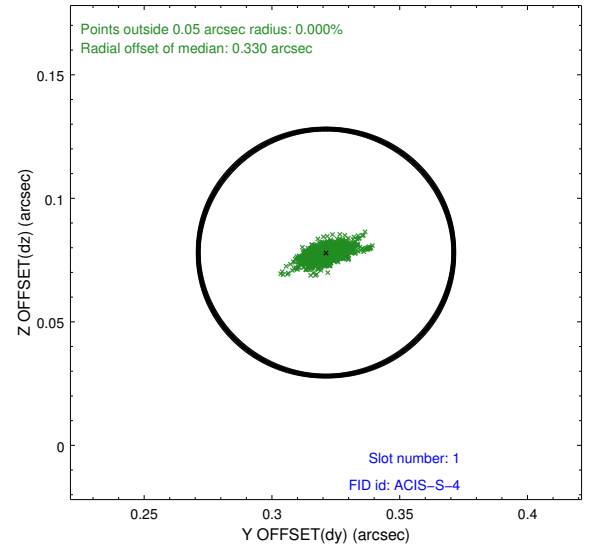
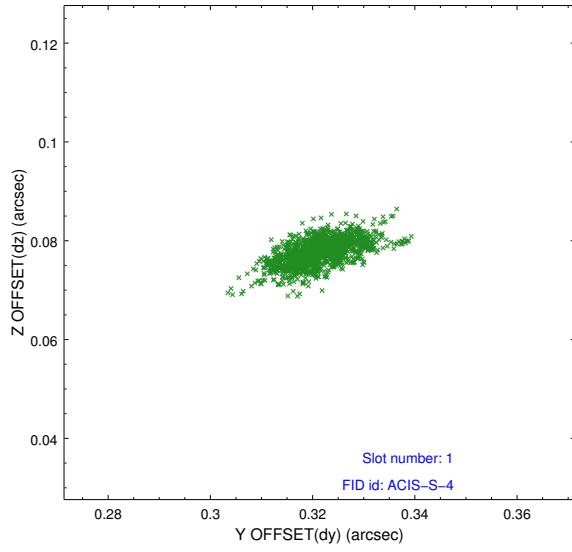


2.5 FID Slots

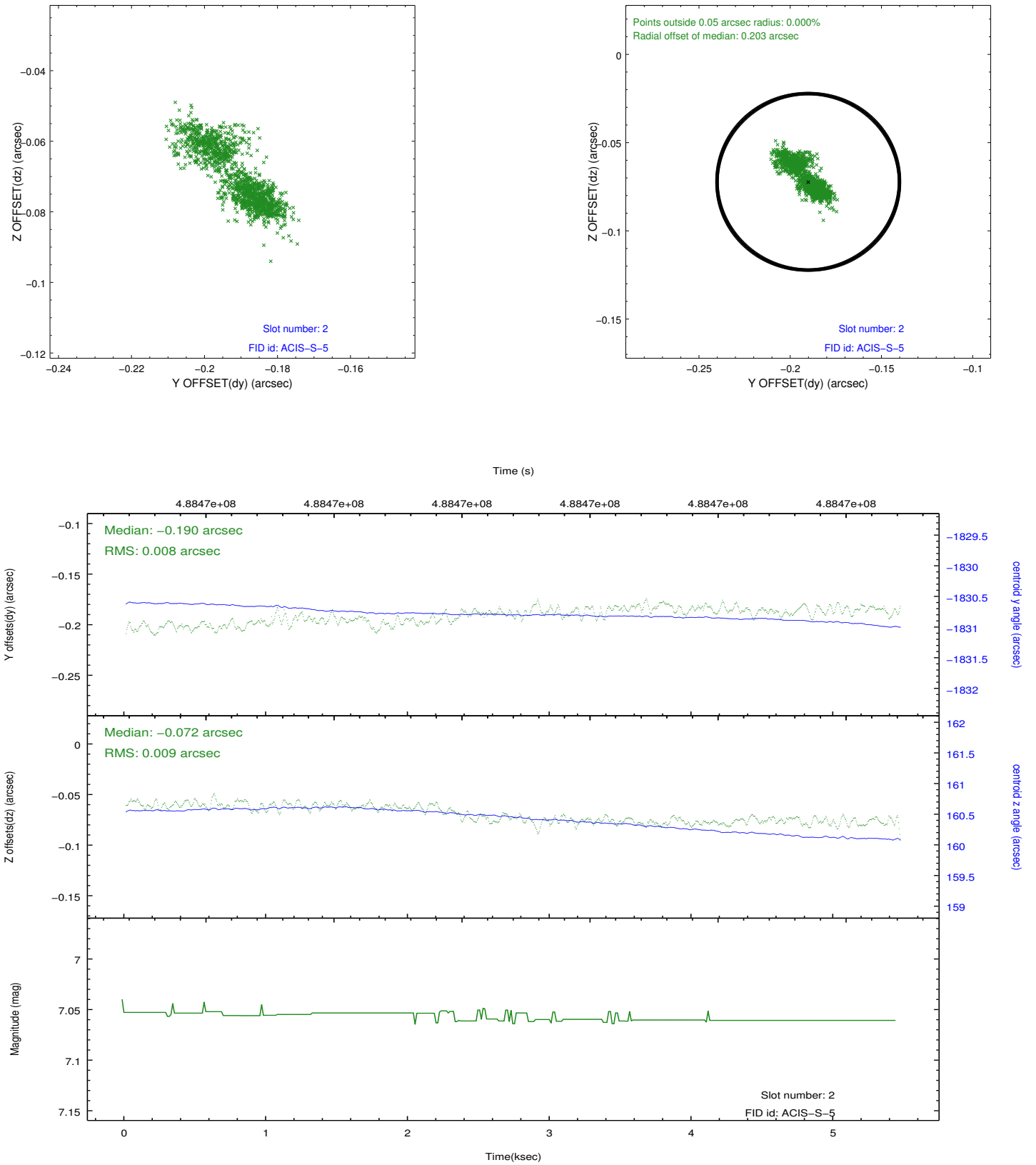
2.5.1 Slot 0



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)	2014.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.3413000410795

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.