

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6702 - L2 Version 2
Chandra X-Ray Center

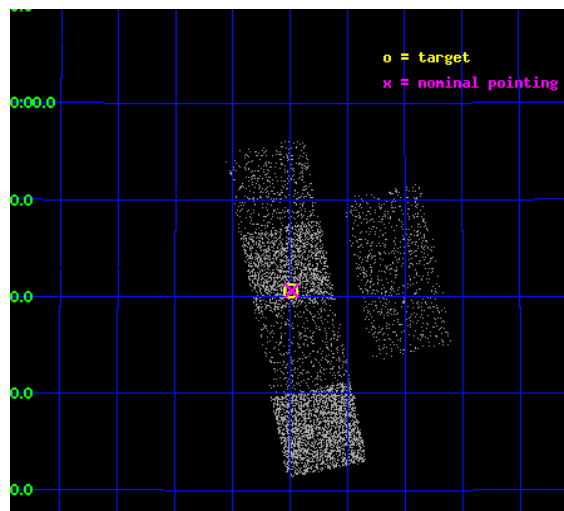
L2 Processing Date : Apr 3 2012

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1 Front

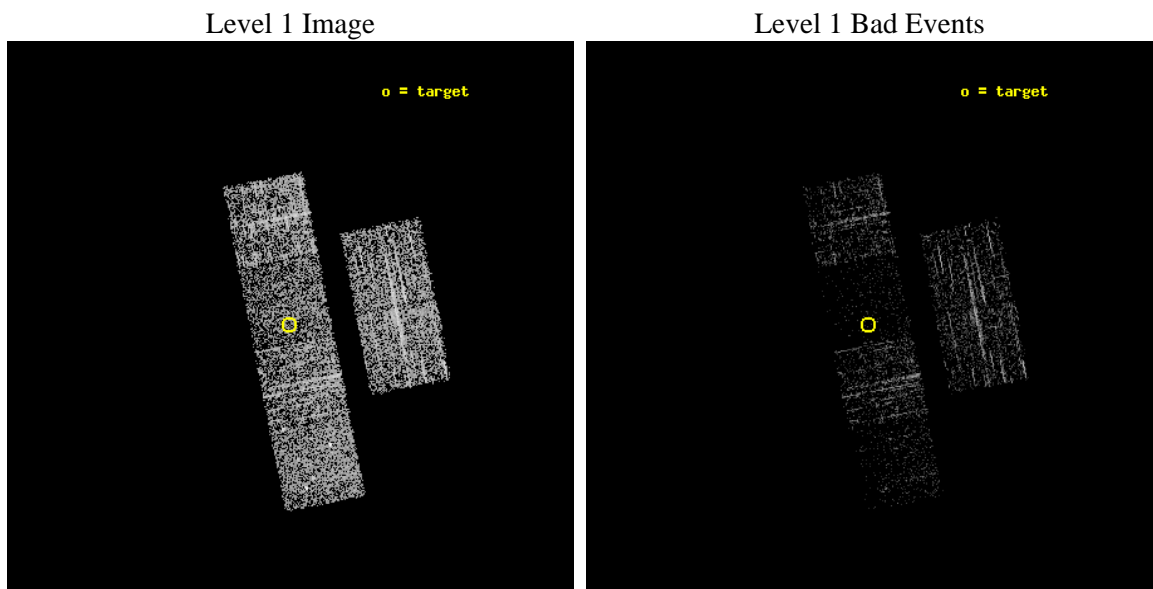
seq_num	500653	Sequence number
obs_id	6702	Observation id
title	A High Purity Discovery Program for Isolated Neutron Stars	Proposa
observer	Dr. Scott Anderson	Principal investigator
object	1RXS J102659.6+364039	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	156.748333	Observer's specified target RA [deg]
dec_targ	36.6775	Observer's specified target Dec [deg]
ra_nom	156.74611242791	Nominal RA [deg]
dec_nom	36.677031827858	Nominal Dec [deg]
roll_nom	258.84894855699	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1043.1999961138	Sum of GTIs [s]
livetime	1029.9903696234	Livetime [s]
ontime2	1043.1999961138	Sum of GTIs [s]
ontime3	1043.1999961138	Sum of GTIs [s]
ontime5	1043.1999961138	Sum of GTIs [s]
ontime6	1043.1999961138	Sum of GTIs [s]
ontime7	1043.1999961138	Sum of GTIs [s]
ontime8	1043.1999961138	Sum of GTIs [s]
l2events	7015	Number of level 2 events



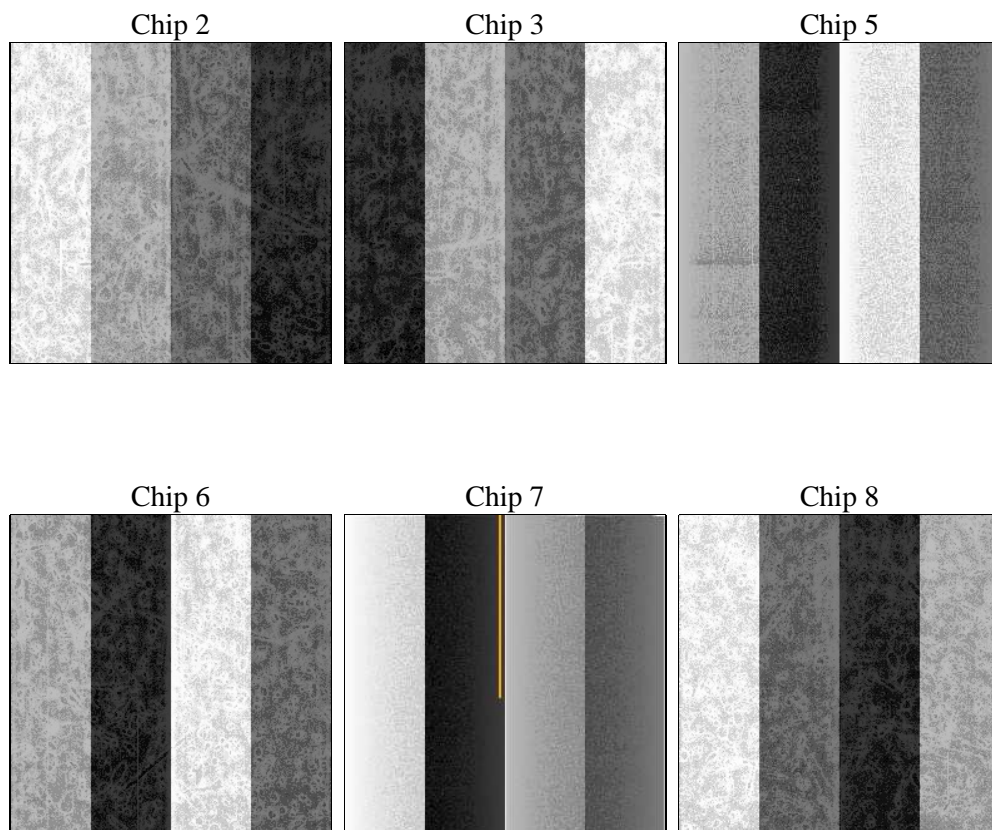
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	1043.1999961138	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1043.1999961138	Sum of GTIs [s]
date	2012-04-03T11:11:06	Date and time of file creation	ontime3	1043.1999961138	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1043.1999961138	Sum of GTIs [s]
			ontime6	1043.1999961138	Sum of GTIs [s]
			ontime7	1043.1999961138	Sum of GTIs [s]
			ontime8	1043.1999961138	Sum of GTIs [s]
			l1events	37734	Number of level 1 events

2.1.4 Events

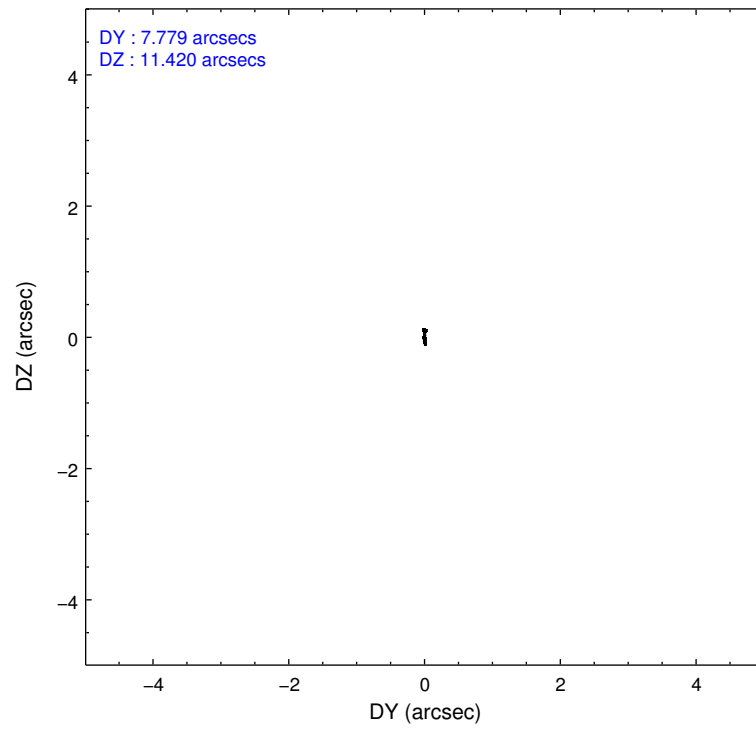
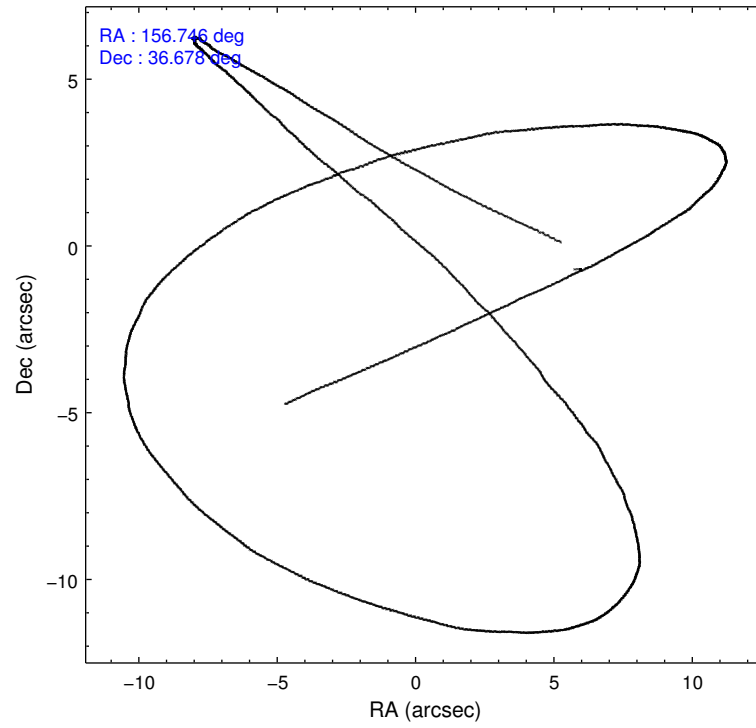
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	7485	6800	6015	6380	3670	7384
rejected events	6941	6253	2330	5816	1490	5576
rejected %	92%	91%	38%	91%	40%	75%

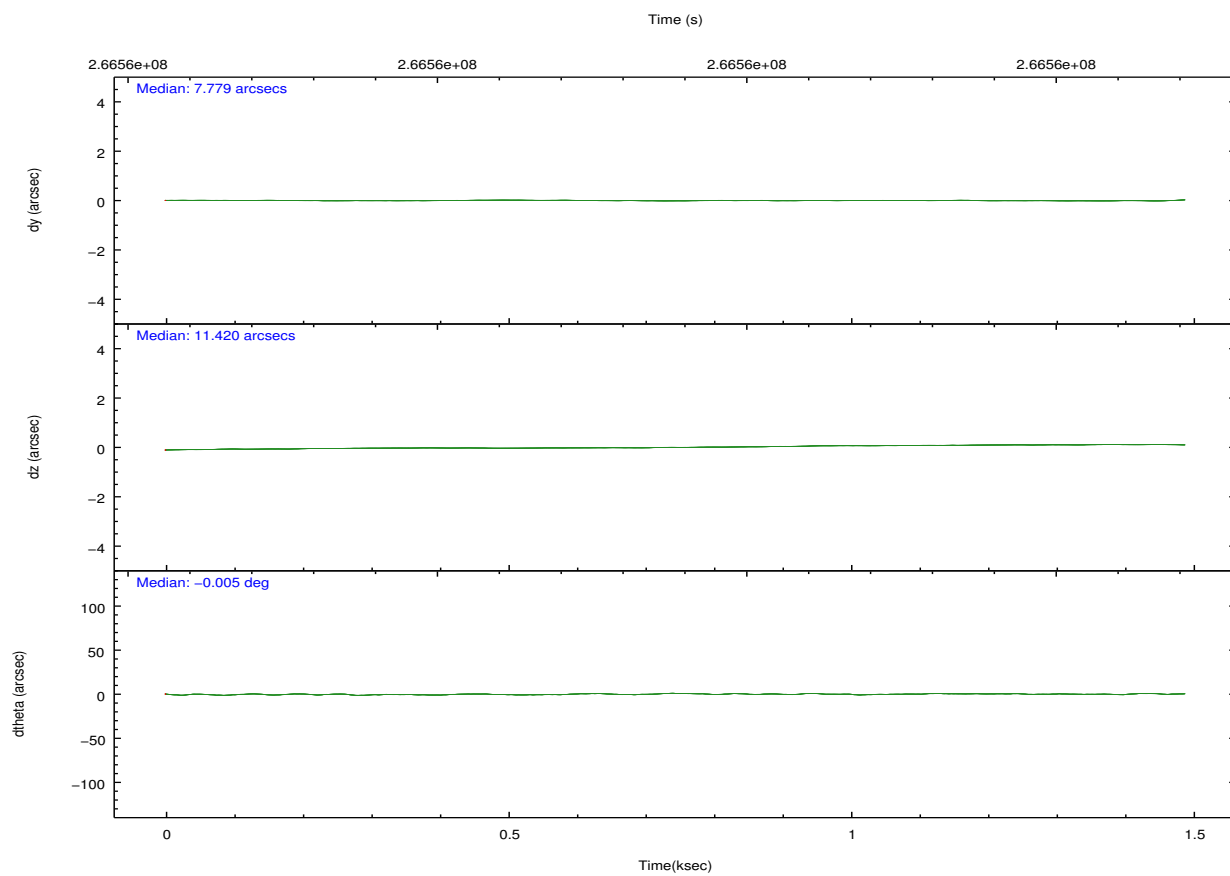
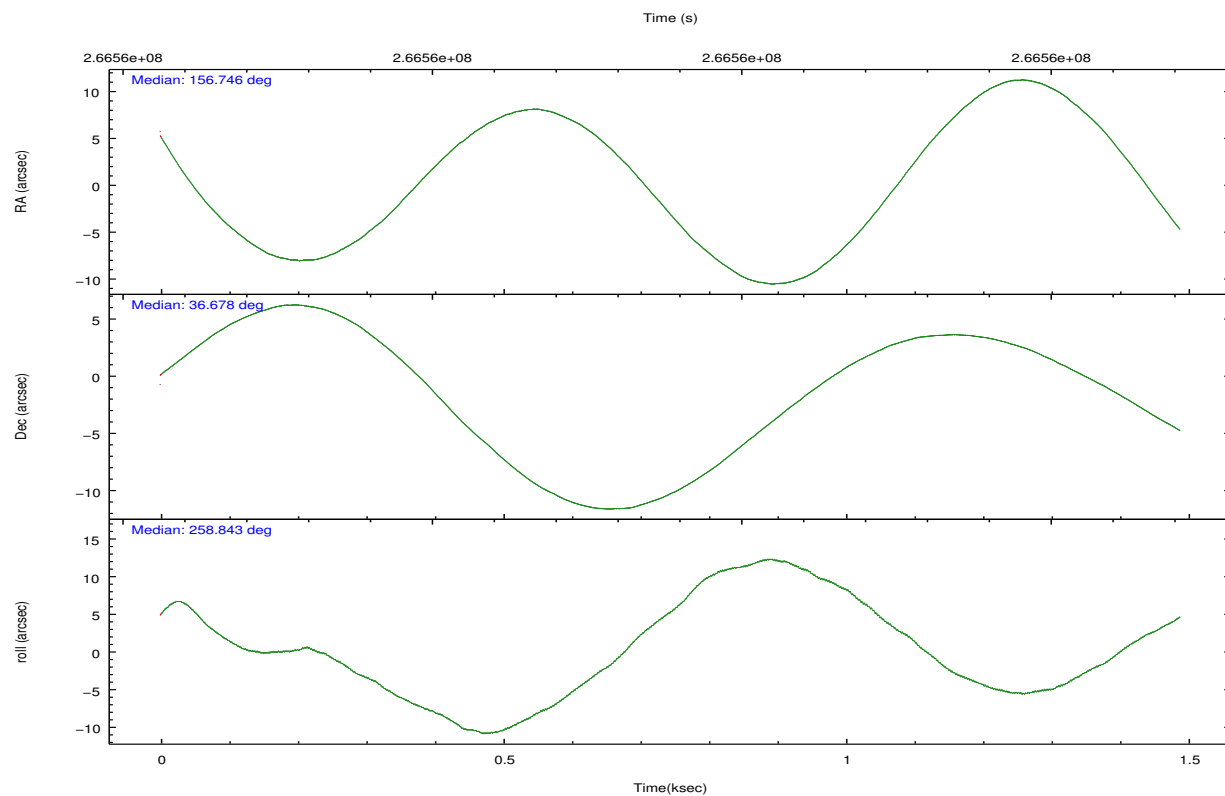
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	207	217	728	230	310	488
	2%	3%	12%	3%	8%	6%
grade 1 events	4	3	37	3	7	6
	0%	0%	0%	0%	0%	0%
grade 2 events	118	117	1112	143	550	445
	1%	1%	18%	2%	14%	6%
grade 3 events	52	69	195	57	247	201
	0%	1%	3%	0%	6%	2%
grade 4 events	72	70	211	49	225	193
	0%	1%	3%	0%	6%	2%
grade 5 events	92	102	475	121	369	244
	1%	1%	7%	1%	10%	3%
grade 6 events	96	78	1464	88	861	487
	1%	1%	24%	1%	23%	6%
grade 7 events	6844	6144	1793	5689	1101	5320
	91%	90%	29%	89%	30%	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	156.734583	156.7461124279088	Subarray requested	NONE	NONE
[deg] Pointing Dec	36.702256	36.67703182785759	Alternating exposures requested	N	N
[deg] Pointing Roll	258.699227	258.8489485569851	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	266559127.184000	266557966.19694			
Observation start date	2006-06-13T04:11:02	2006-06-13T03:52:46			
[s] Observation end time (MET)	266560127.184000	266560919.73457			
Observation end date	2006-06-13T04:27:42	2006-06-13T04:41:59			
Read mode	TIMED	TIMED			

2.3 Aspect



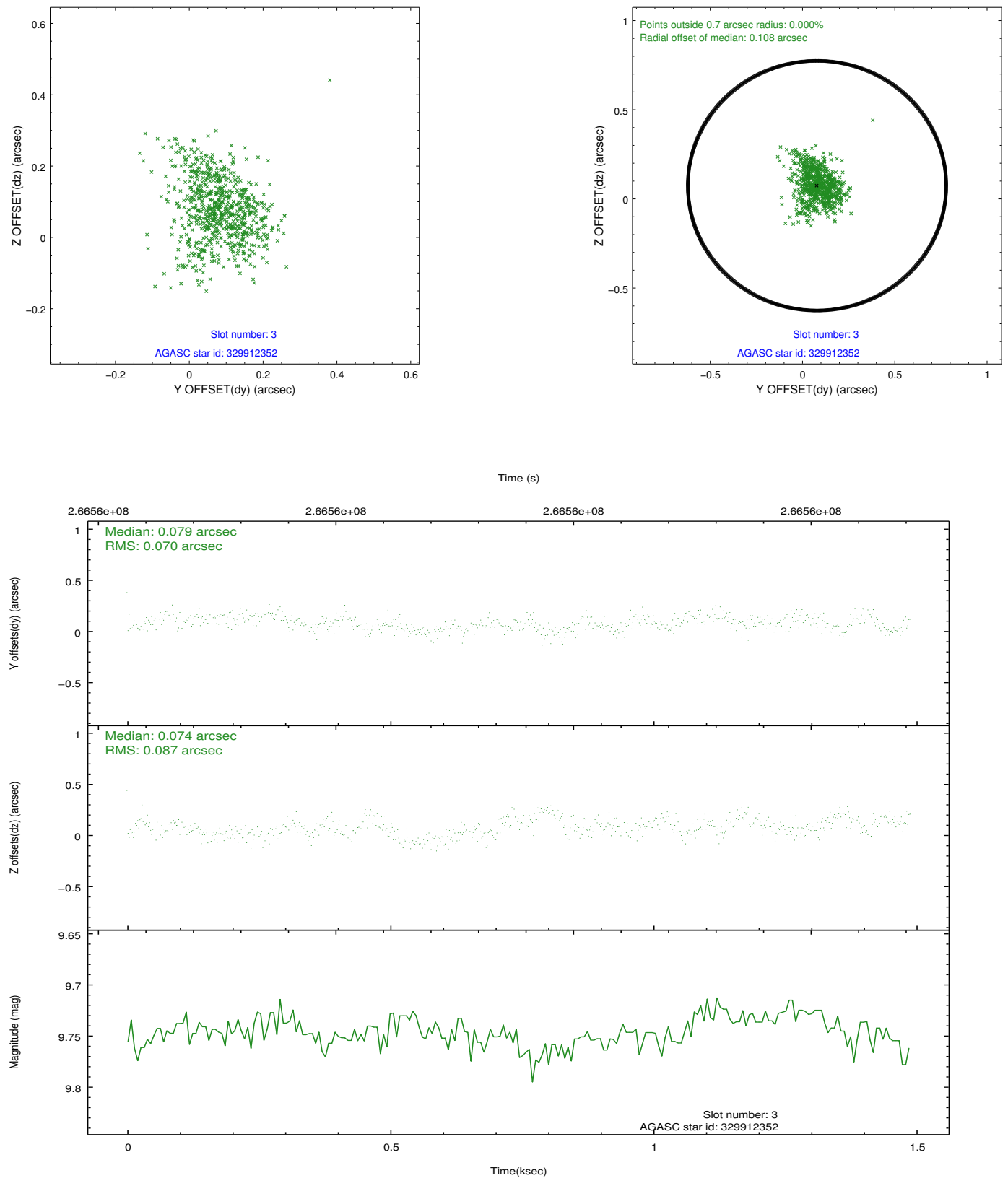


Slot Statistics

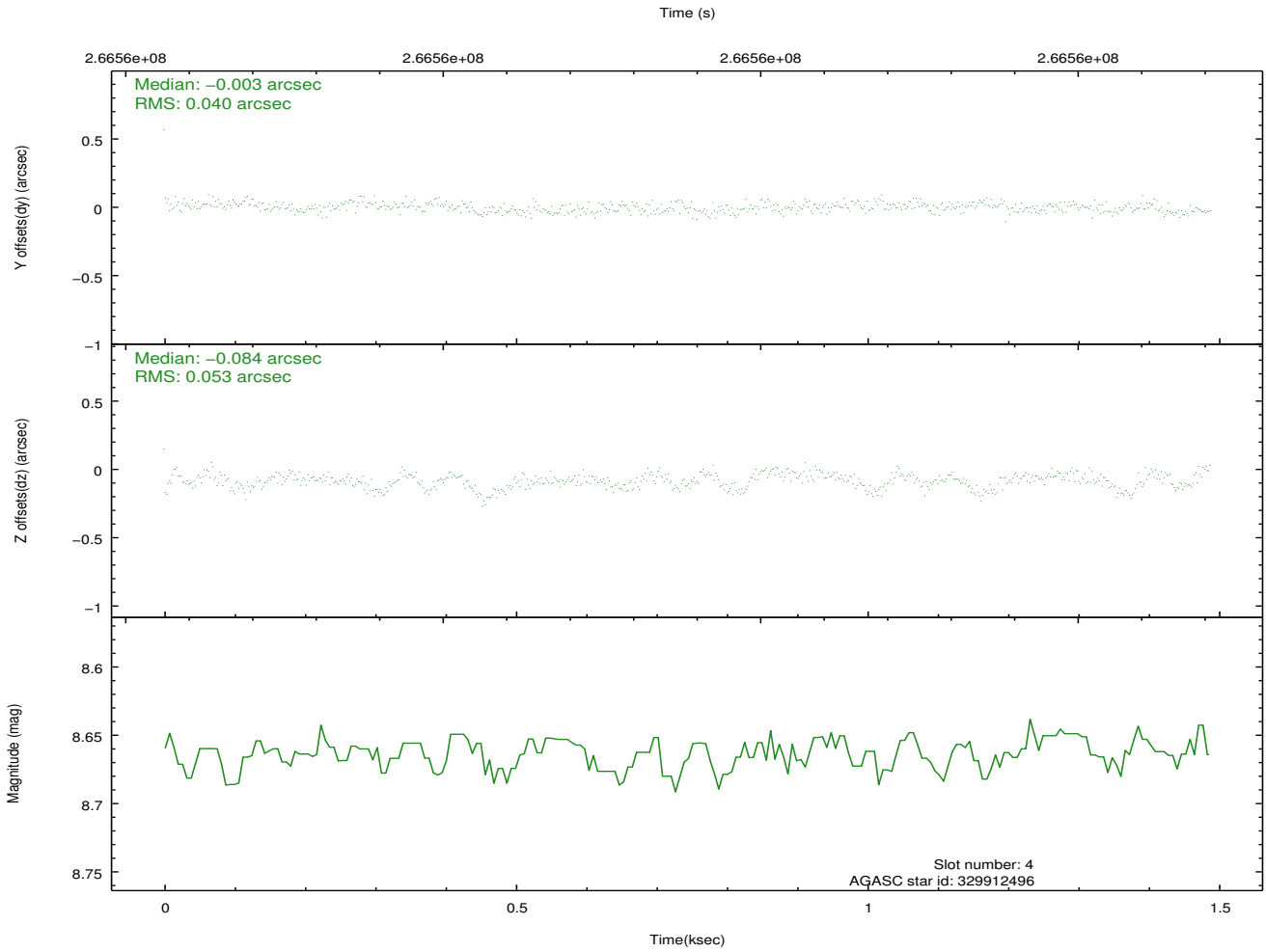
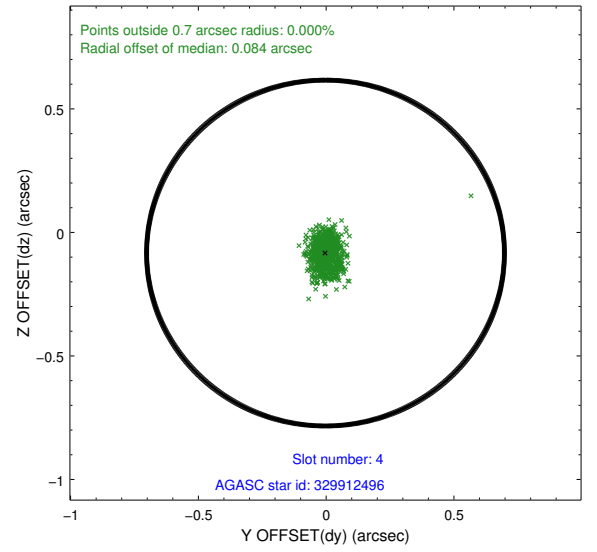
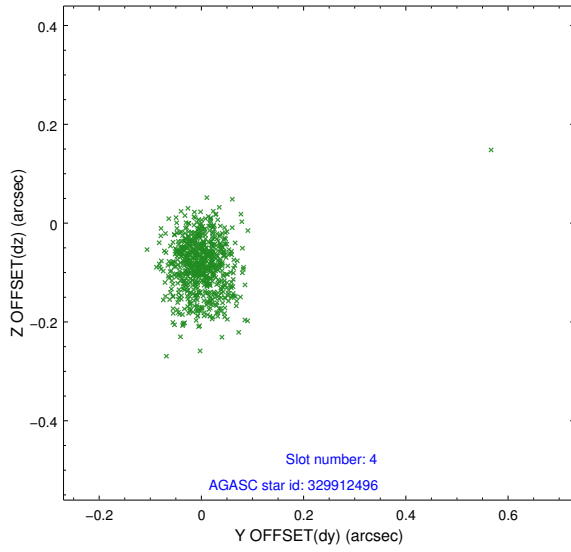
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	364	-0.036	-0.027	0.006	0.011	0.000000	0.000000	-760.57	-1732.76
1	FID	ACIS-S-4	7.20	364	0.119	0.024	0.005	0.010	0.000000	0.000000	2150.82	171.21
2	FID	ACIS-S-5	7.23	363	-0.115	0.011	0.006	0.009	0.000000	0.000000	-1807.79	169.88
3	GUIDE	329912352	9.75	726	0.079	0.074	0.118	0.193	157.362537	36.731147	-461.03	1755.34
4	GUIDE	329912496	8.66	727	-0.003	-0.084	0.066	0.108	156.350075	37.028562	-936.05	-1311.88
5	GUIDE	329917904	6.60	727	0.096	0.109	0.069	0.111	156.377374	36.204555	1959.34	-668.19
6	GUIDE	329915400	7.27	727	-0.088	-0.173	0.060	0.092	156.755975	36.431852	946.86	250.80
7	GUIDE	329911872	9.54	725	-0.092	0.079	0.086	0.135	157.288166	37.184452	-2014.95	1216.56

2.4 Star Slots

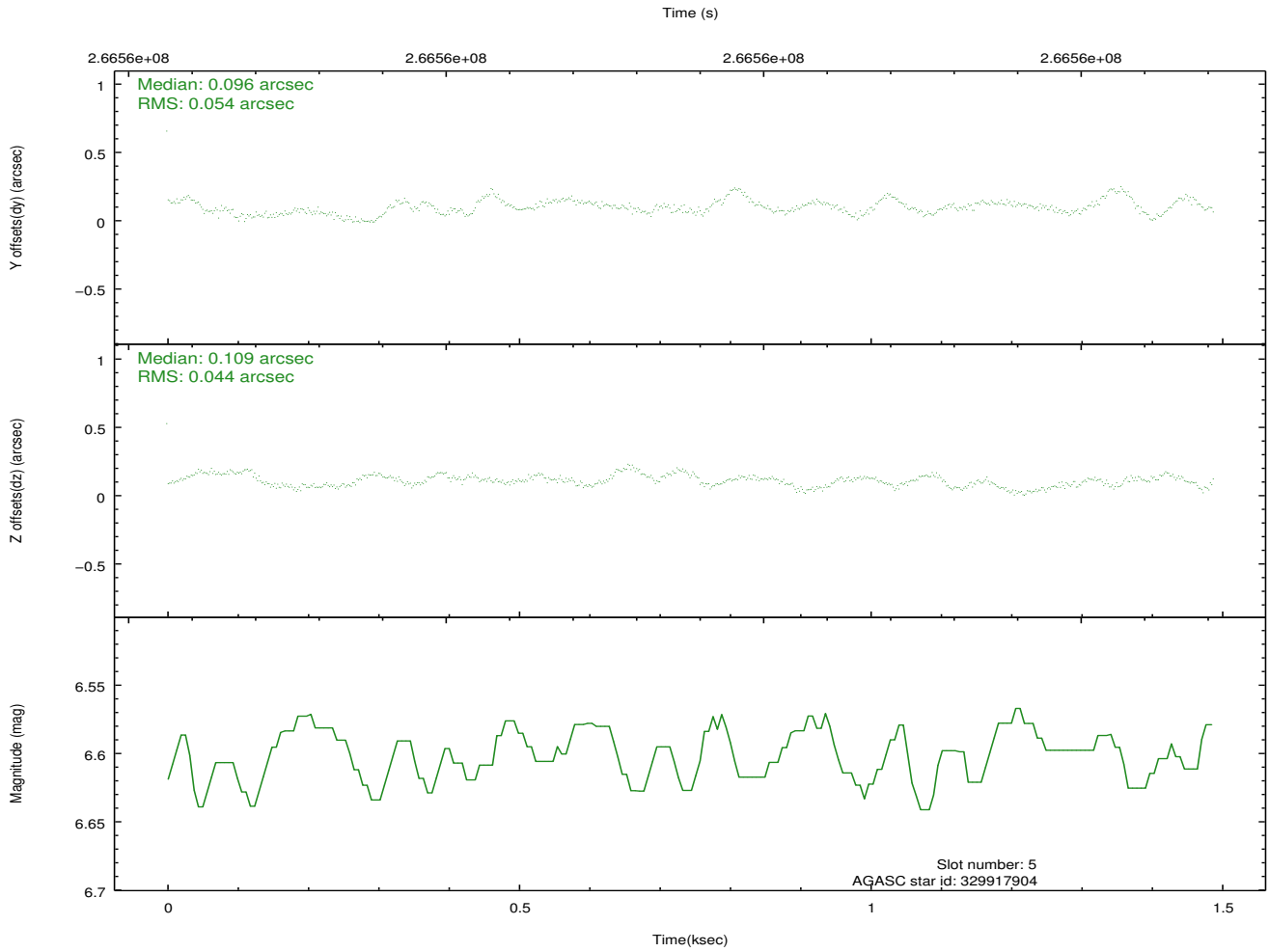
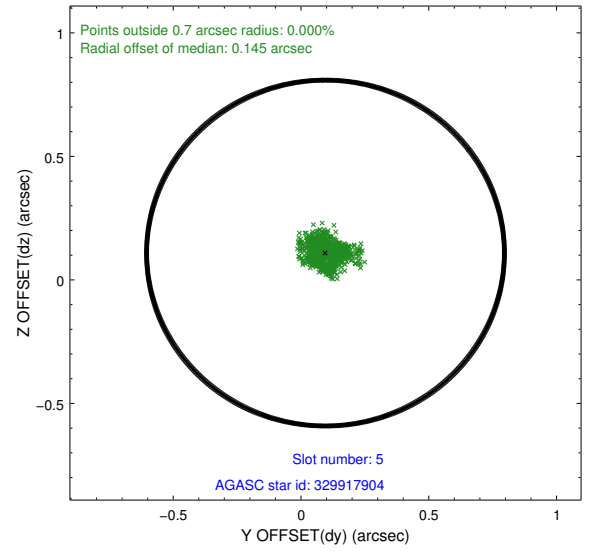
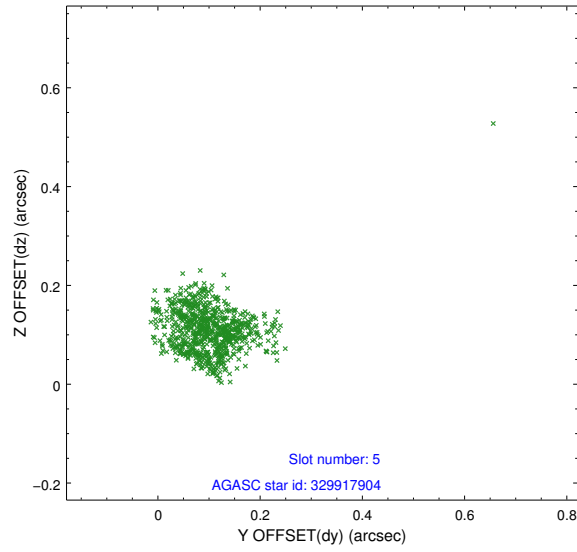
2.4.1 Slot 3



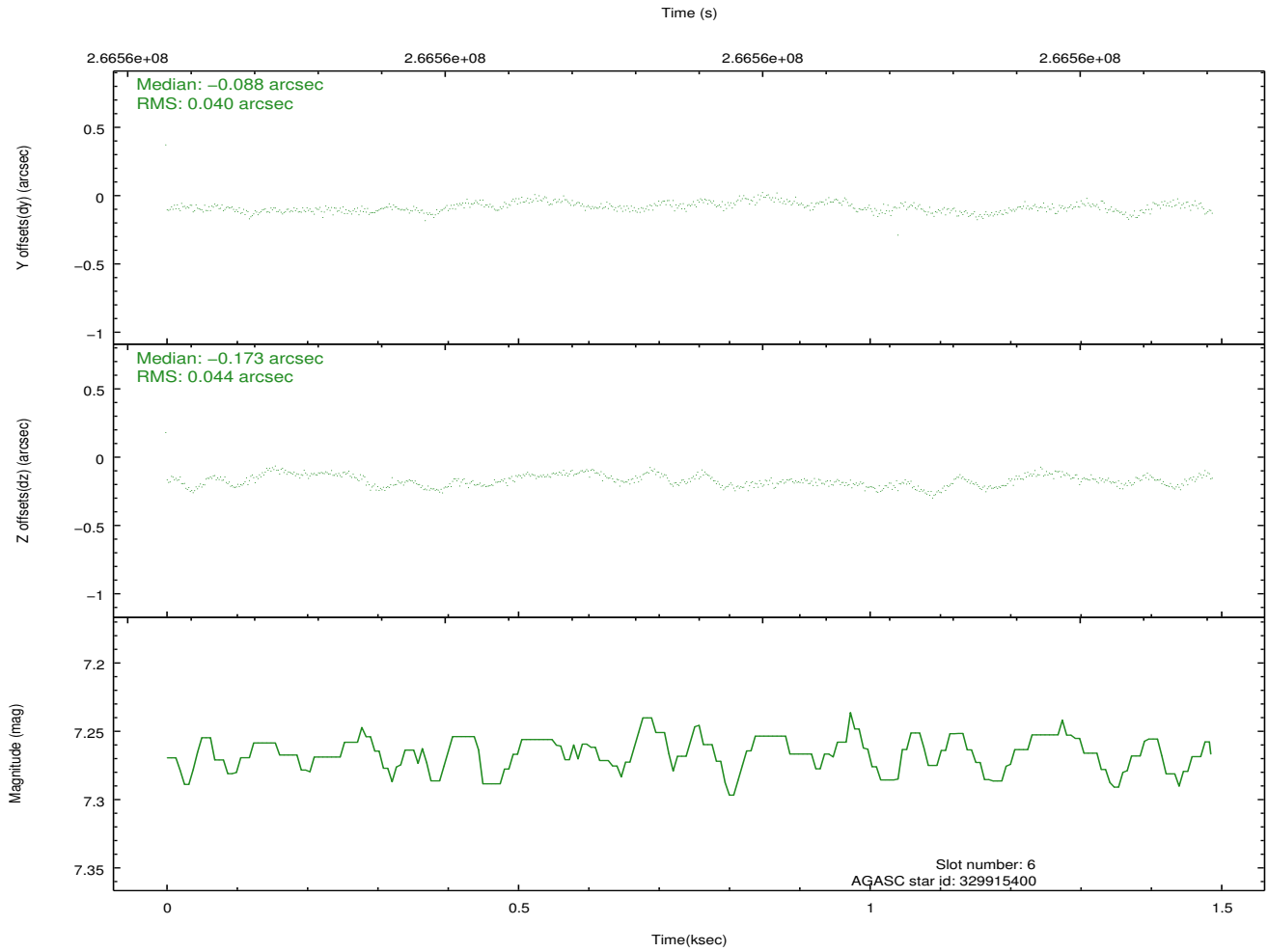
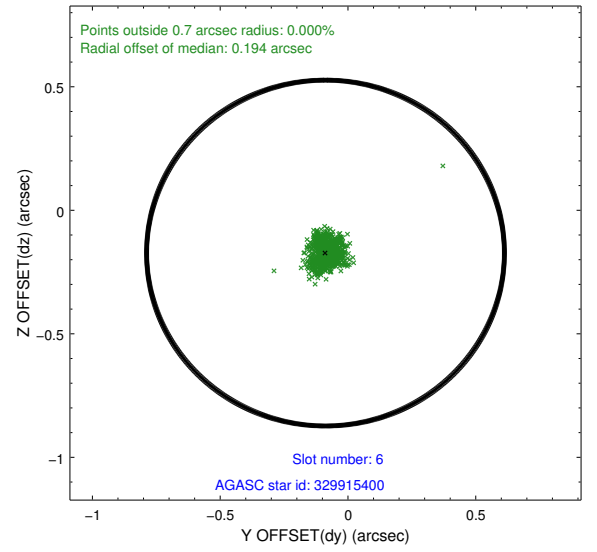
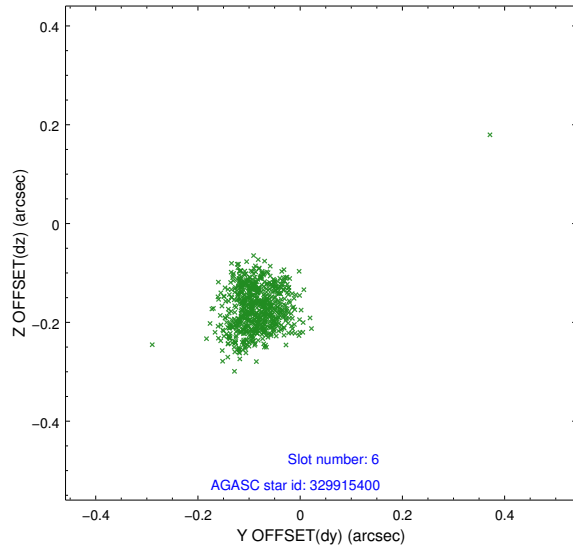
2.4.2 Slot 4



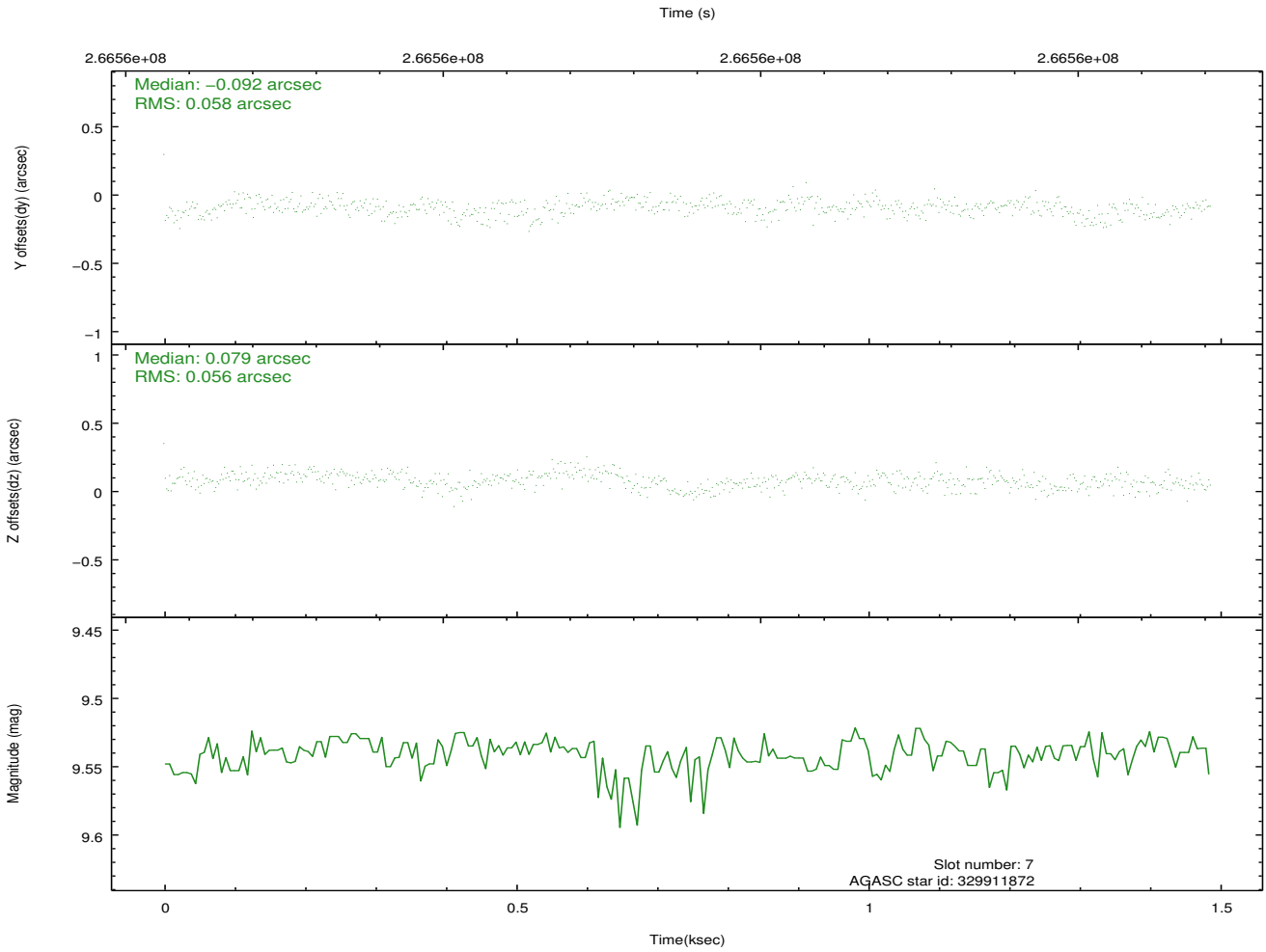
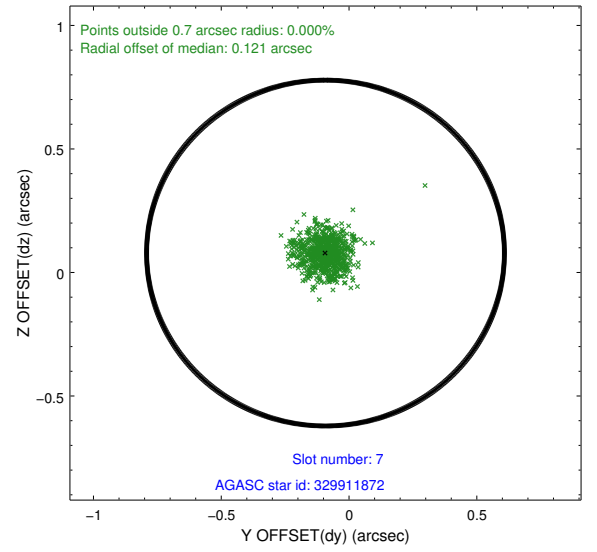
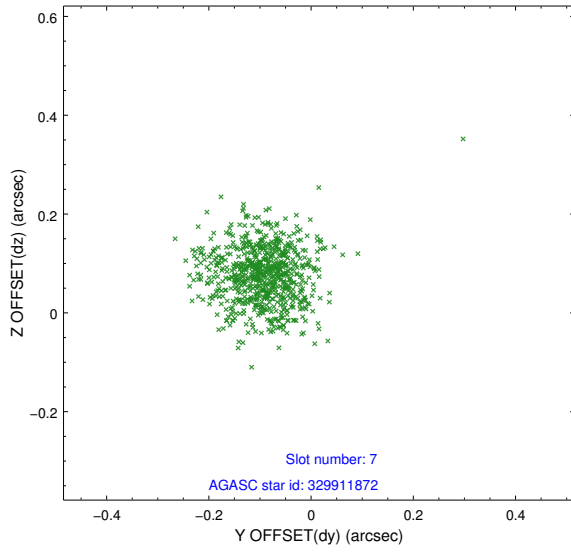
2.4.3 Slot 5



2.4.4 Slot 6

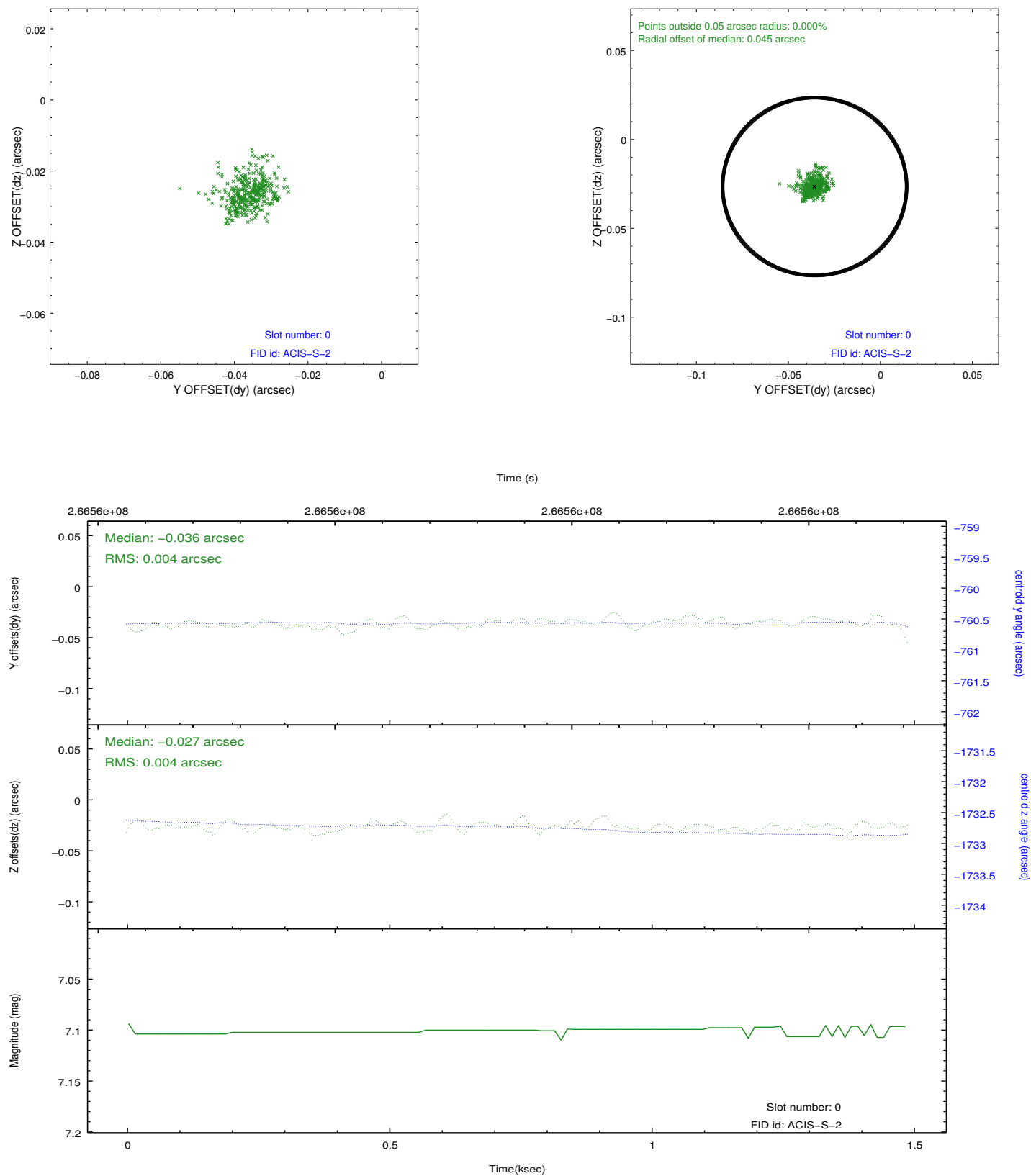


2.4.5 Slot 7

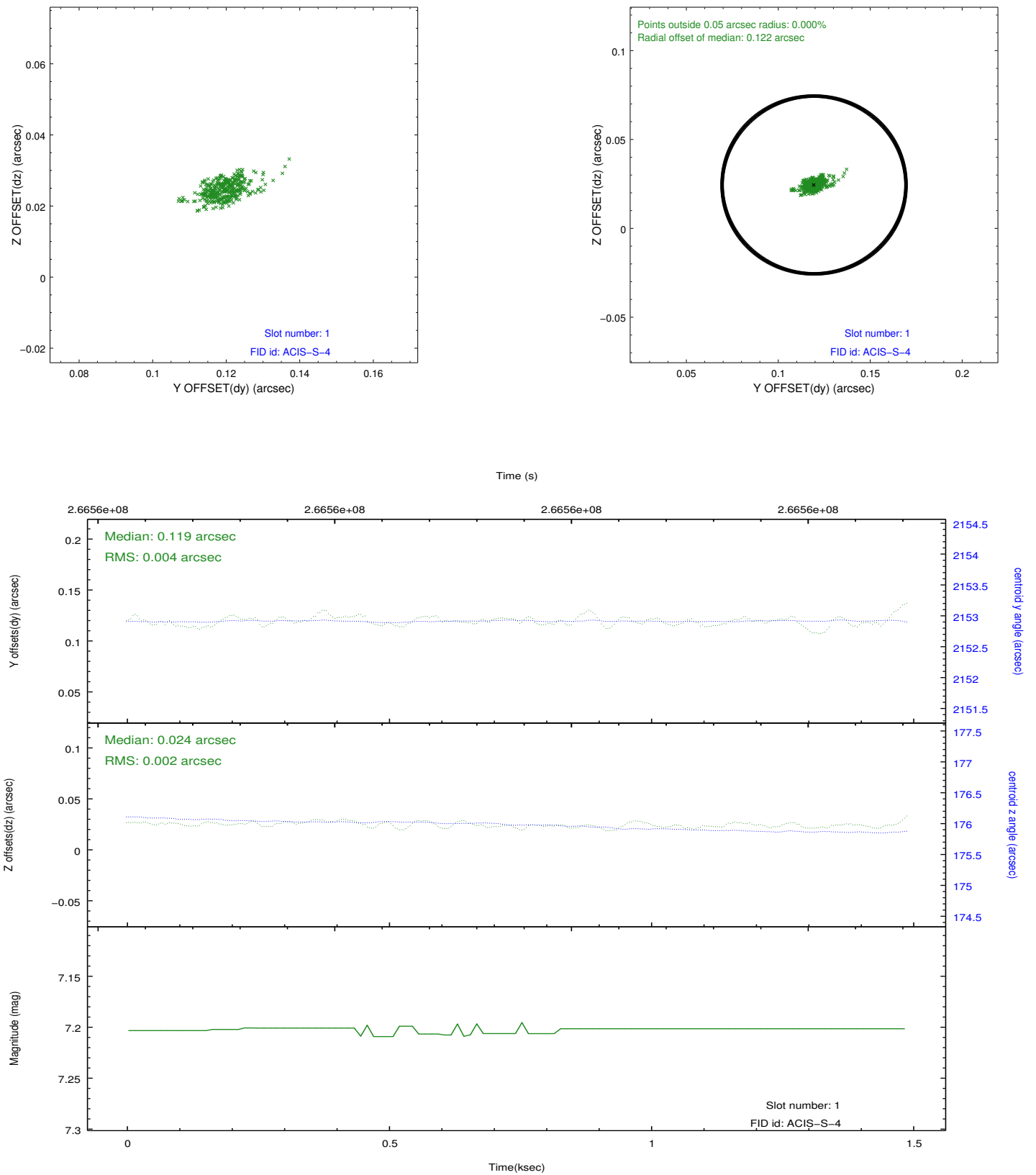


2.5 FID Slots

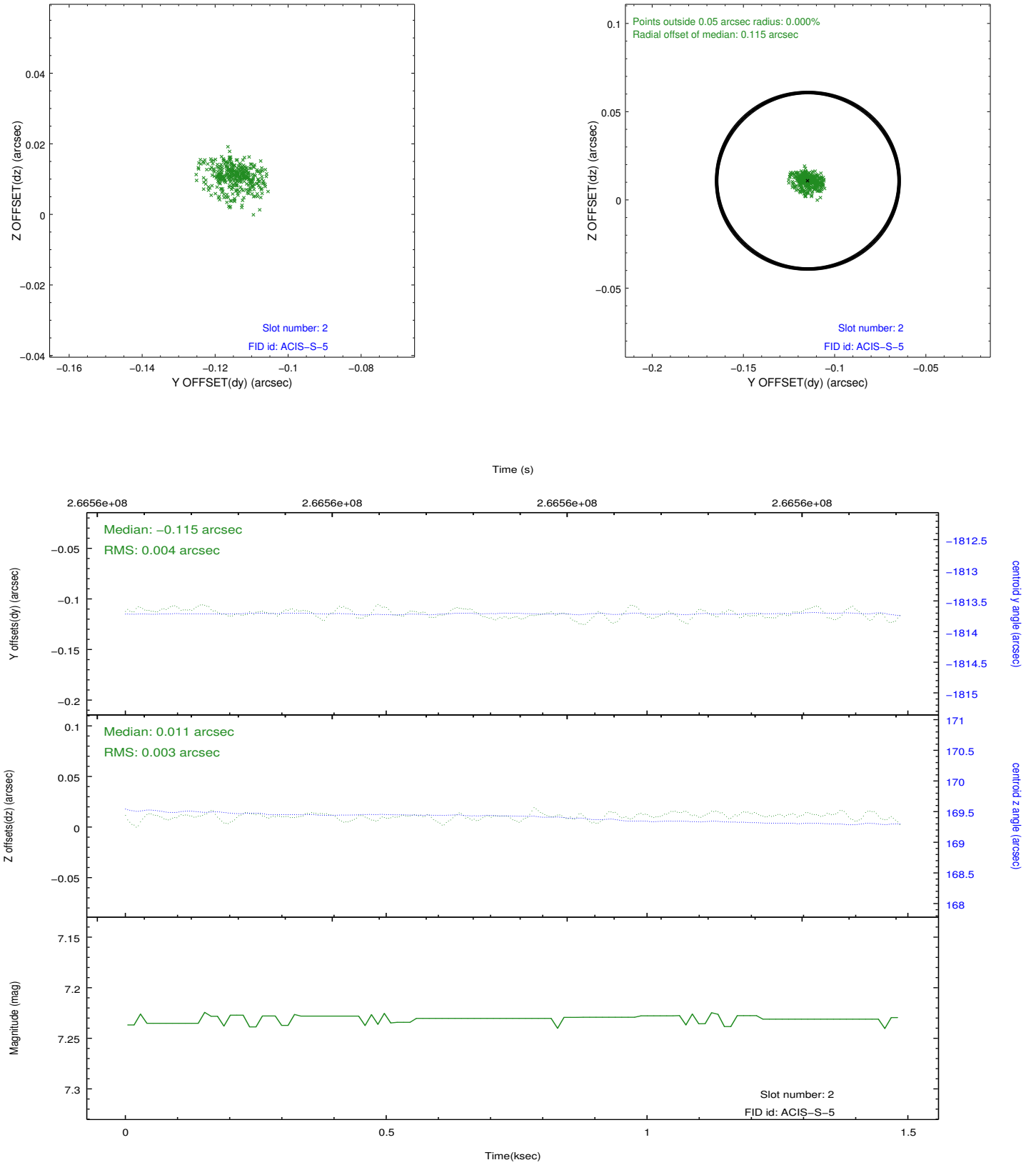
2.5.1 Slot 0



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)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.04319999

A.2 Comments

The brightest source is at ra=10h27m00.5s, dec=+36:40:16:0, which is the location of the optical source found by Bade et al. 1998 inside the error circle of the RASS source.