

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11854 - L2 Version 2
Chandra X-Ray Center

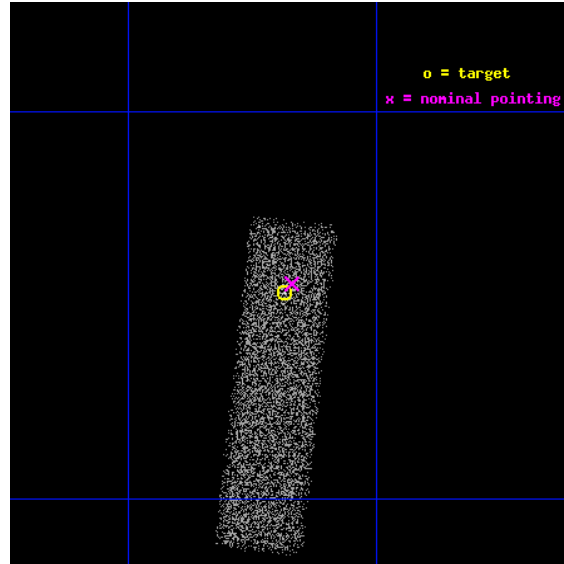
L2 Processing Date : Jun 19 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

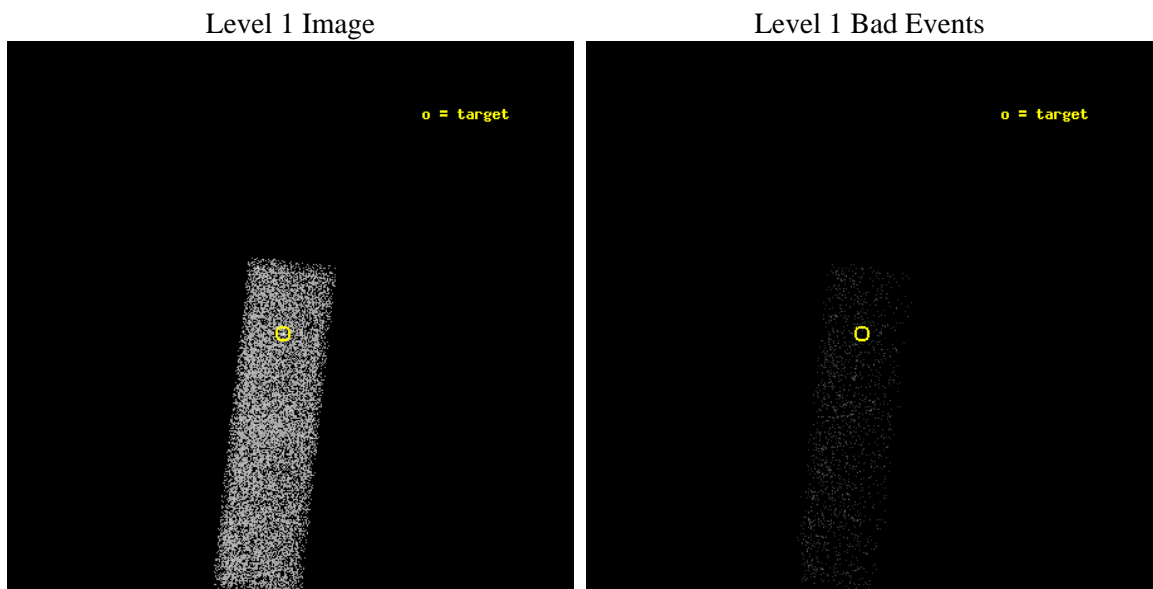
seq_num	702301	Sequence number
obs_id	11854	Observation id
title	A Survey of X-ray Variability in Bright Broad Absorption Line Quasars Over Multi-Year Timescales	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	PG 0946+301	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	147.42125	Observer's specified target RA [deg]
dec_targ	29.921944	Observer's specified target Dec [deg]
ra_nom	147.41781983789	Nominal RA [deg]
dec_nom	29.925800512248	Nominal Dec [deg]
roll_nom	96.267215271142	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6852.0001021624	Sum of GTIs [s]
livetime	6517.6449178754	Livetime [s]
ontime7	6852.0001021624	Sum of GTIs [s]
l2events	8609	Number of level 2 events



2 OBI

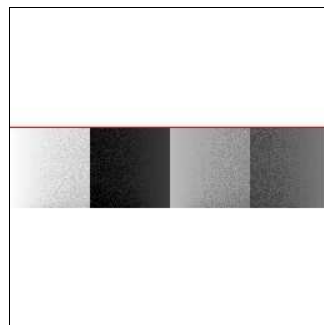
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6852.0001021624	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	6852.0001021624	Sum of GTIs [s]
date	2012-06-19T08:41:05	Date and time of file creation	l1events	17823	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

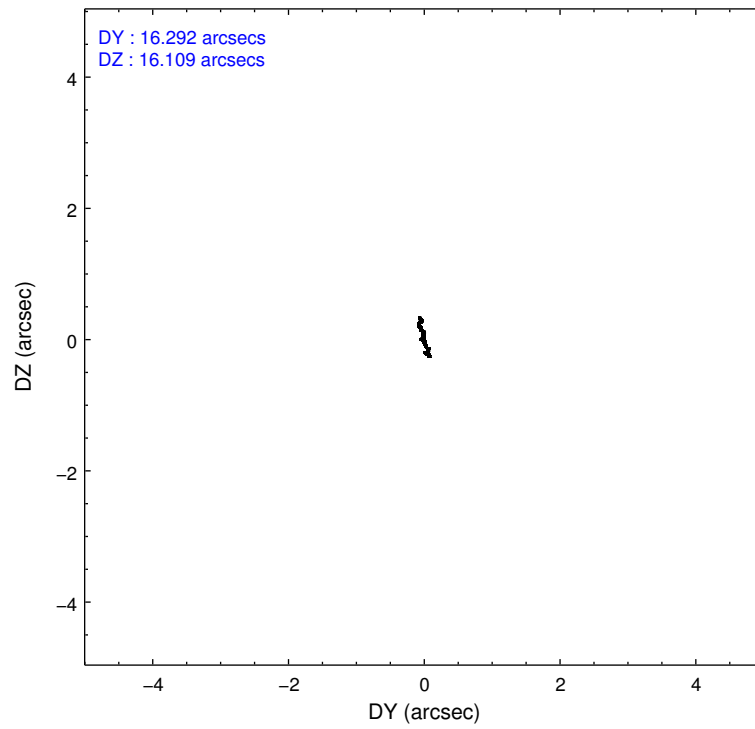
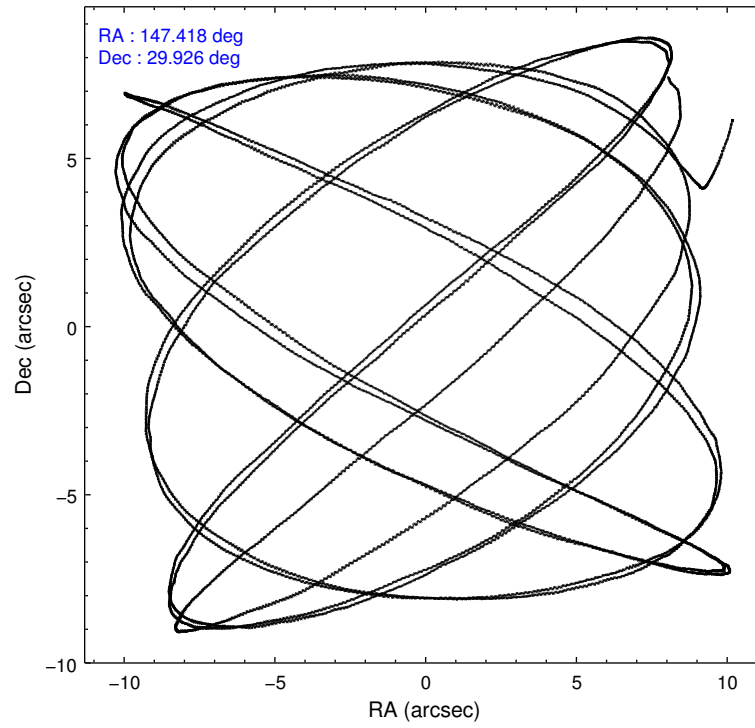
	ccd 7
level 1 events	17823
rejected events	8900
rejected %	49%

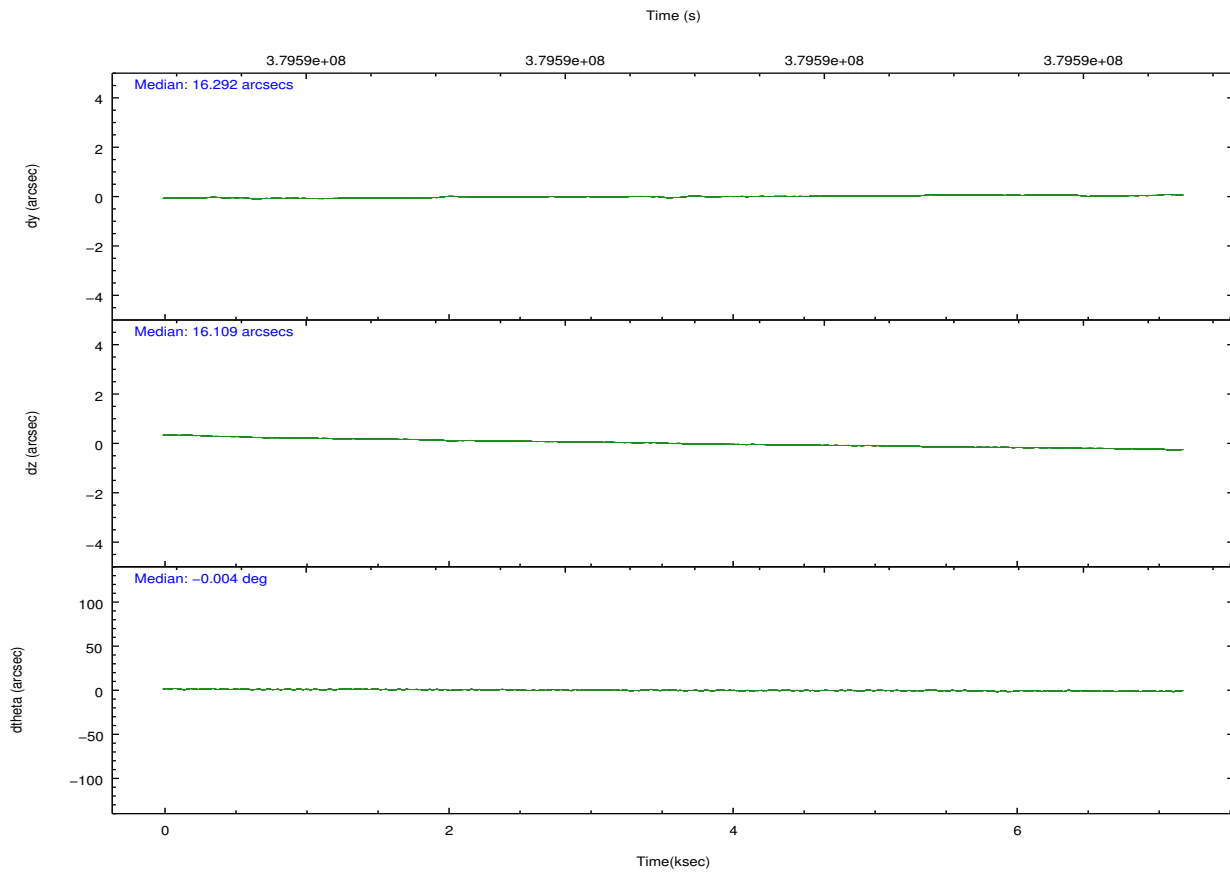
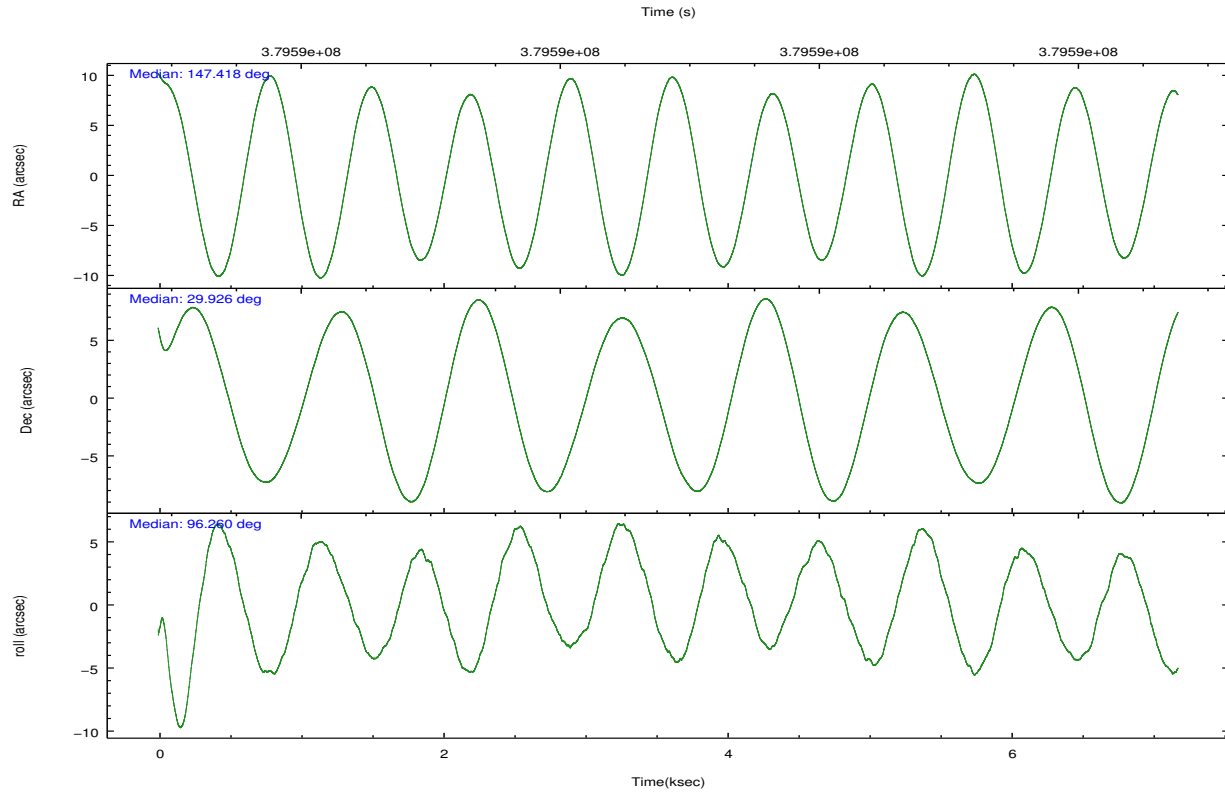
	ccd 7
grade 0 events	882
	4%
grade 1 events	20
	0%
grade 2 events	1818
	10%
grade 3 events	1014
	5%
grade 4 events	1040
	5%
grade 5 events	1987
	11%
grade 6 events	4172
	23%
grade 7 events	6890
	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	147.436812	147.417819837892	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	29.903945	29.92580051224775	Subarray start row	385	385
[deg] Pointing Roll	96.101108	96.26721527114243	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	379585415.184000	379584555.93187			
Observation start date	2010-01-11T08:22:29	2010-01-11T08:09:15			
[s] Observation end time (MET)	379592415.184000	379593008.59479			
Observation end date	2010-01-11T10:19:09	2010-01-11T10:30:08			
Read mode	TIMED	TIMED			

2.3 Aspect



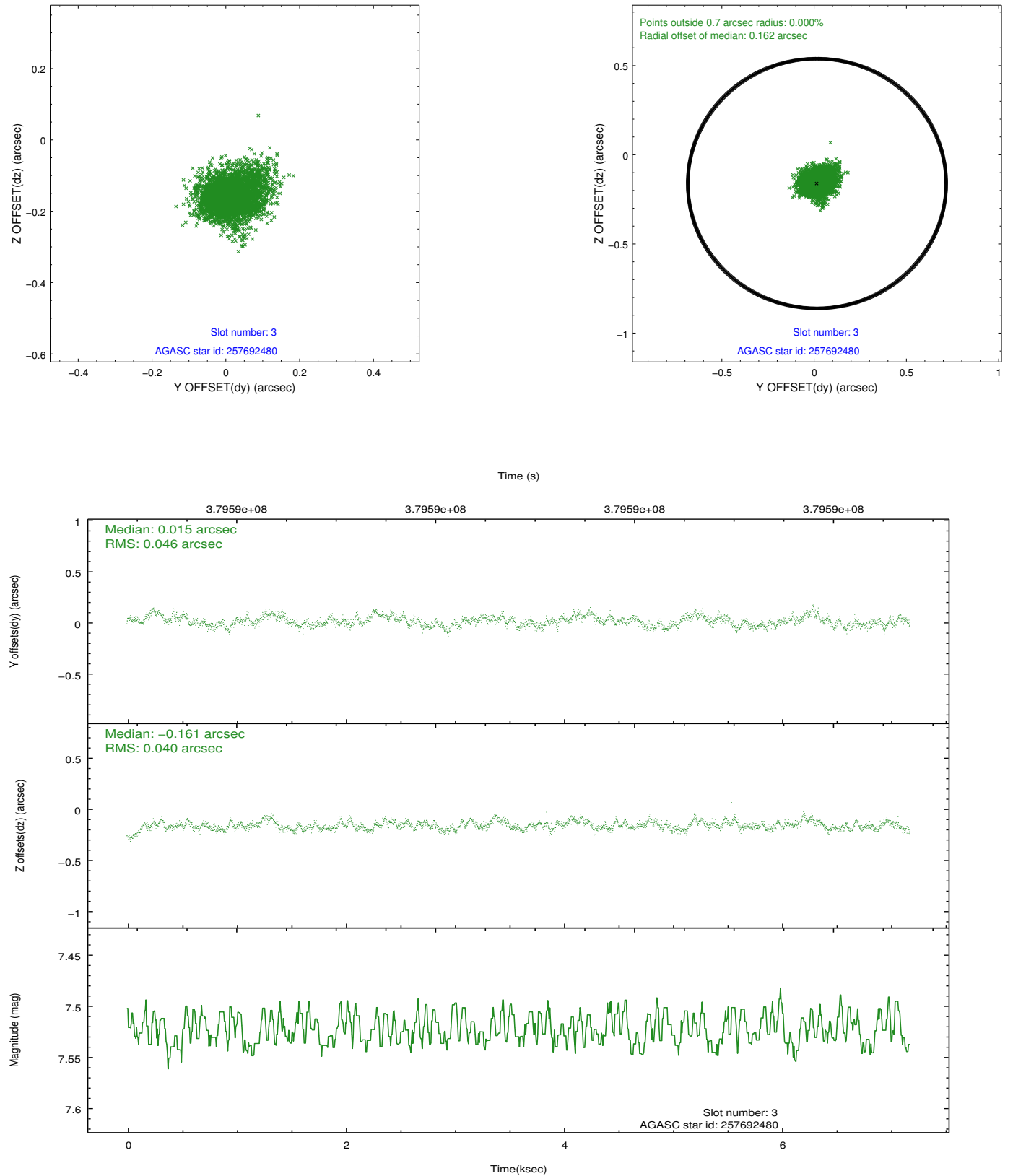


Slot Statistics

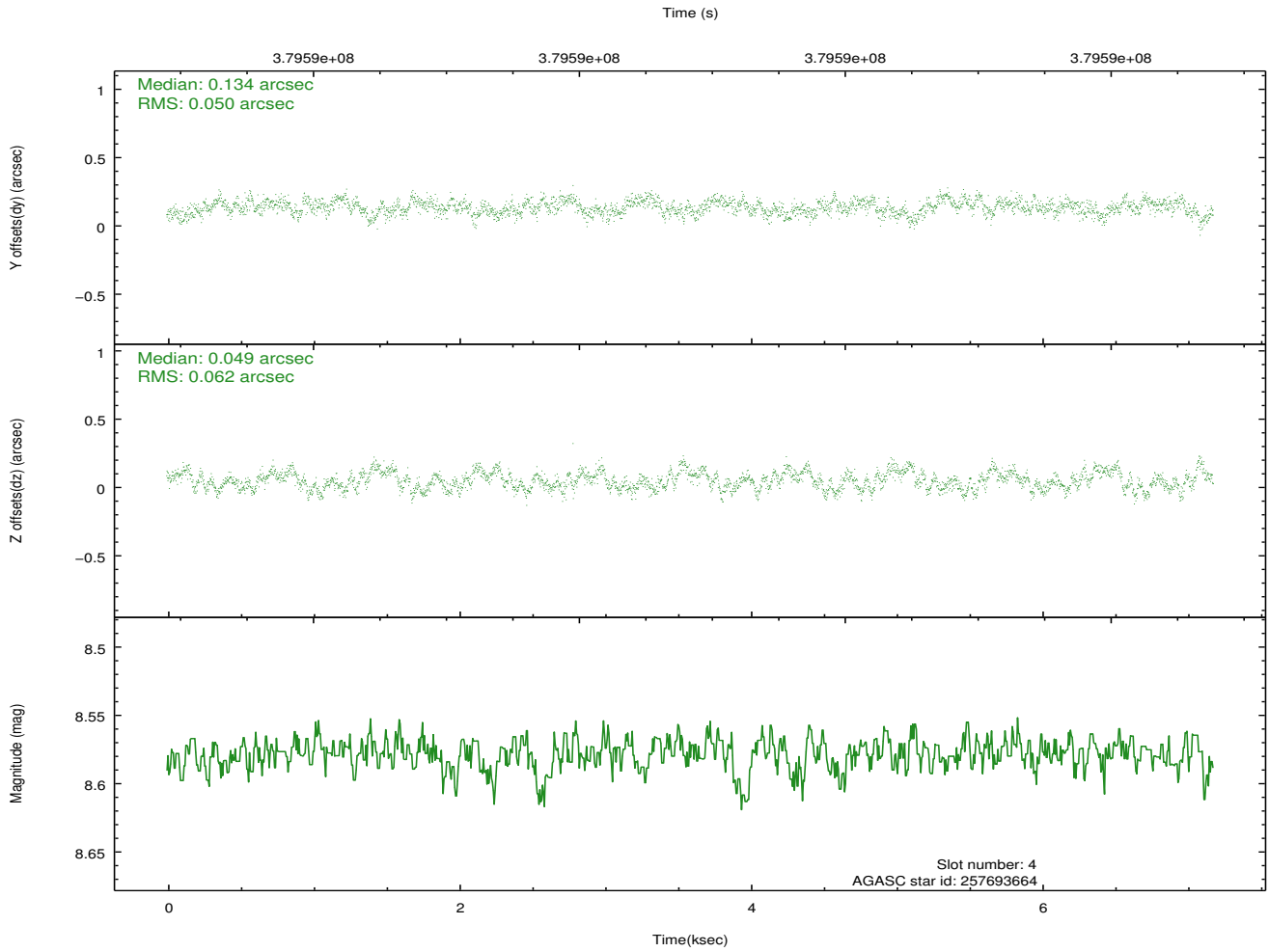
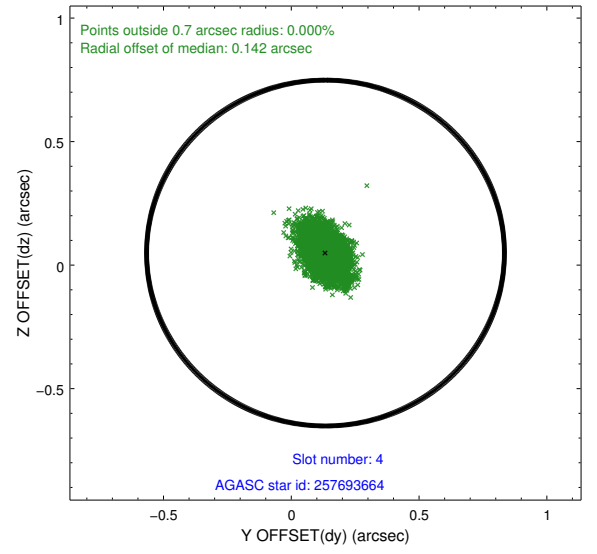
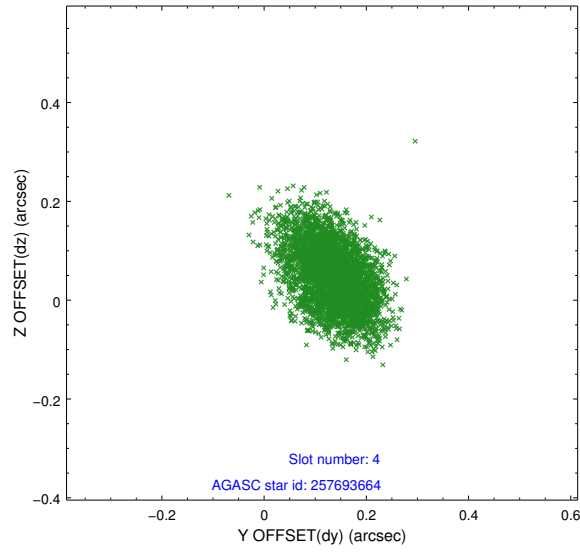
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1752	-0.090	-0.014	0.007	0.011	0.000000	0.000000	-769.38	-1737.50
1	FID	ACIS-S-4	6.97	1752	0.174	0.047	0.006	0.010	0.000000	0.000000	2143.79	170.22
2	FID	ACIS-S-5	7.00	1752	-0.116	-0.024	0.006	0.012	0.000000	0.000000	-1821.23	164.72
3	GUIDE	257692480	7.52	3503	0.015	-0.161	0.064	0.108	146.921296	29.591725	-942.71	1723.54
4	GUIDE	257693664	8.58	3504	0.134	0.049	0.085	0.138	147.247960	29.480780	-1451.51	750.94
5	GUIDE	327943216	9.25	3499	-0.101	-0.127	0.091	0.146	147.244040	30.380658	1770.01	413.31
6	GUIDE	327943864	9.23	3503	0.046	0.136	0.117	0.186	147.958022	30.329297	1355.10	-1772.79
7	GUIDE	327946456	9.33	3497	-0.099	0.101	0.089	0.145	147.818153	30.200132	936.65	-1293.42

2.4 Star Slots

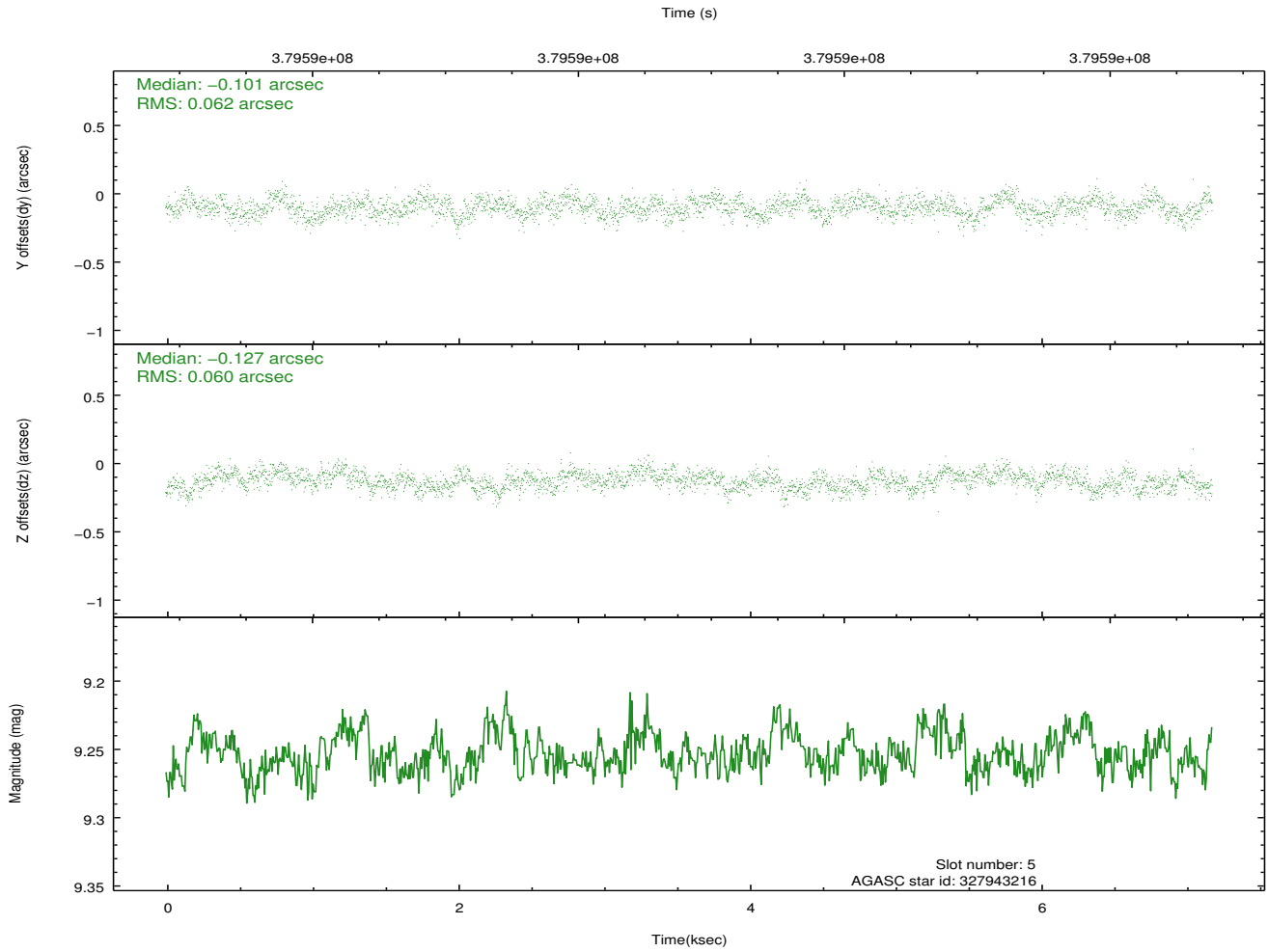
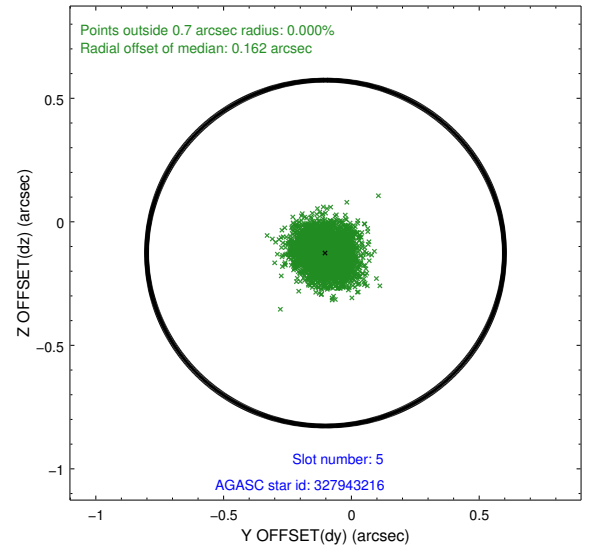
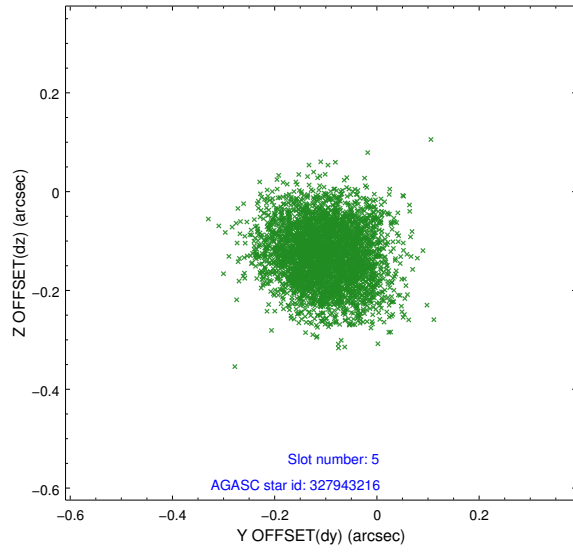
2.4.1 Slot 3



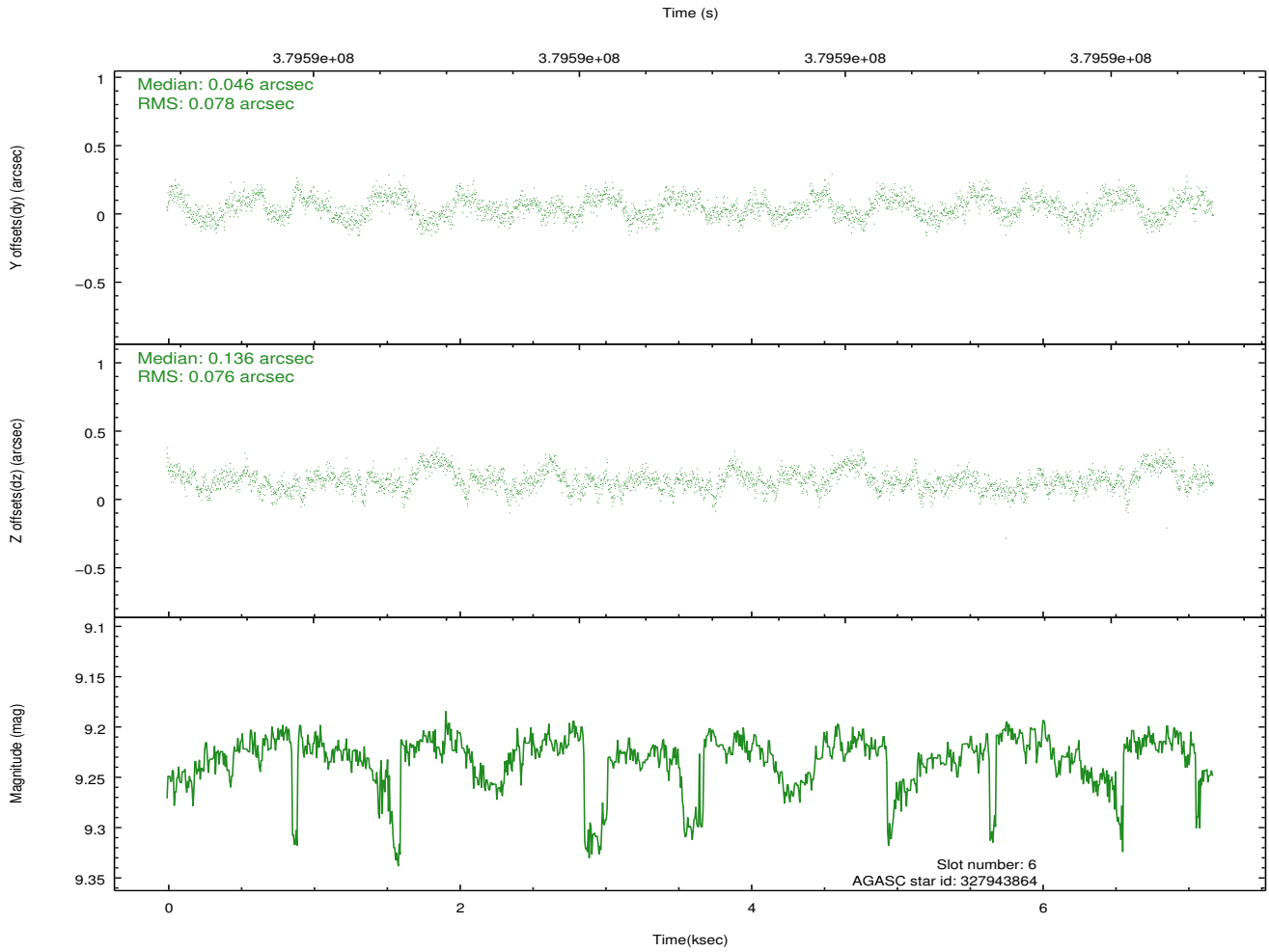
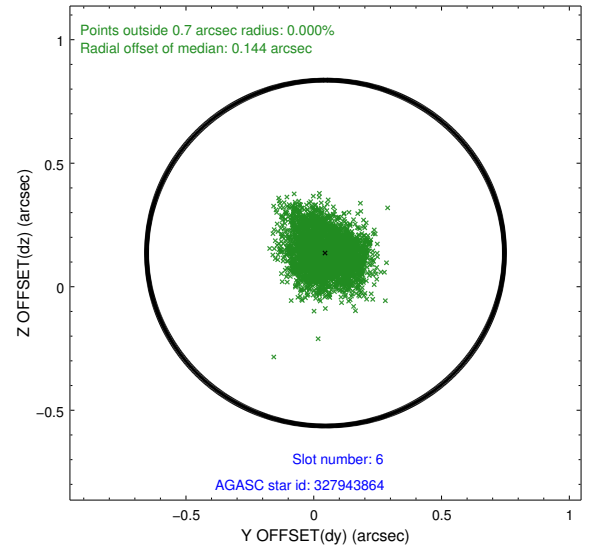
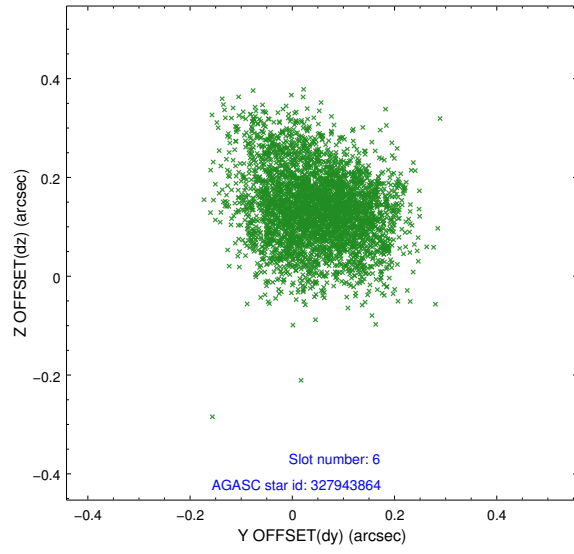
2.4.2 Slot 4



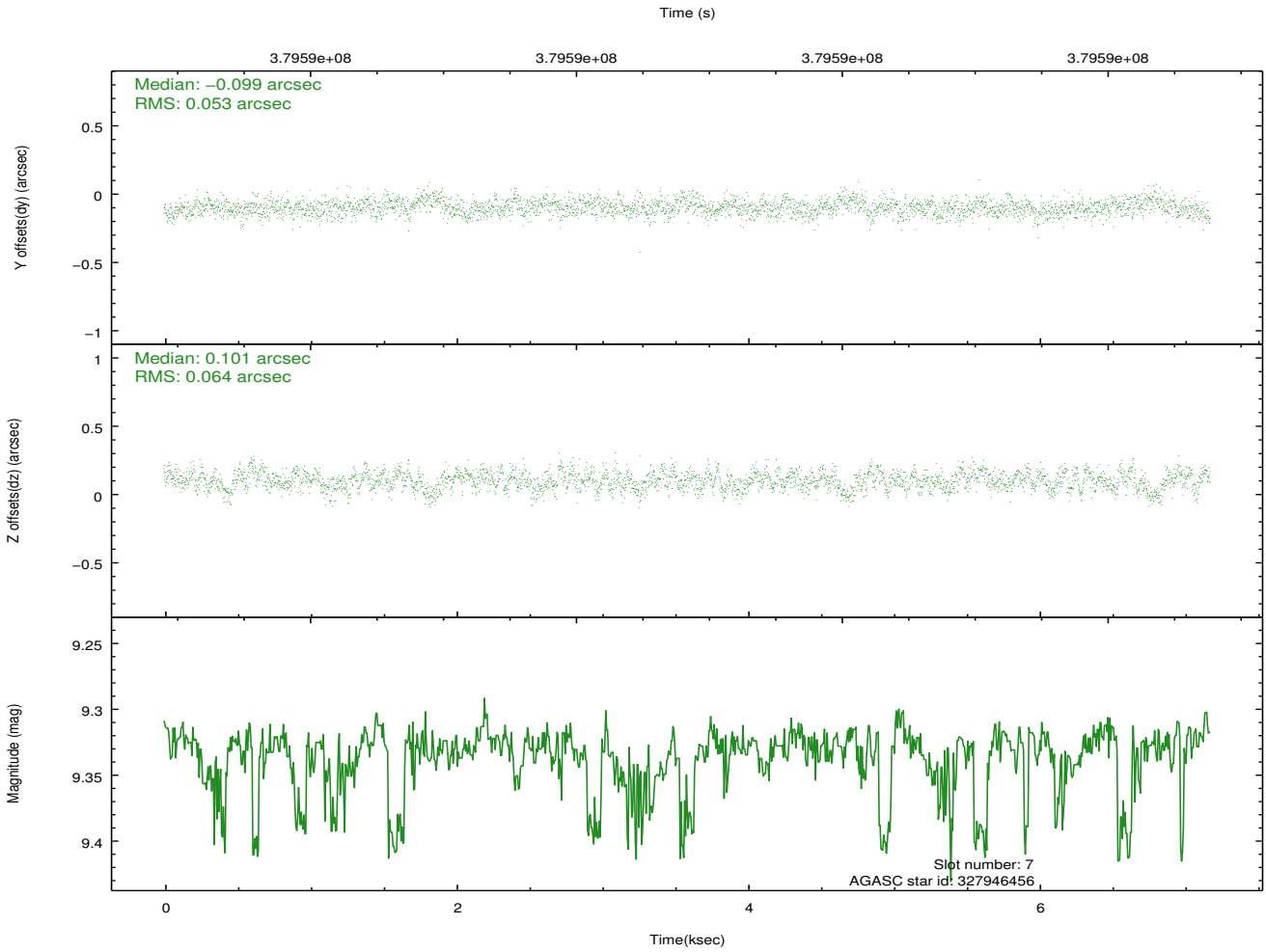
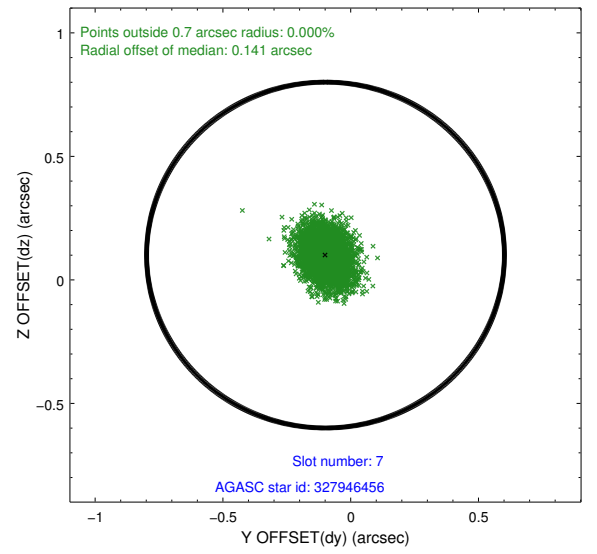
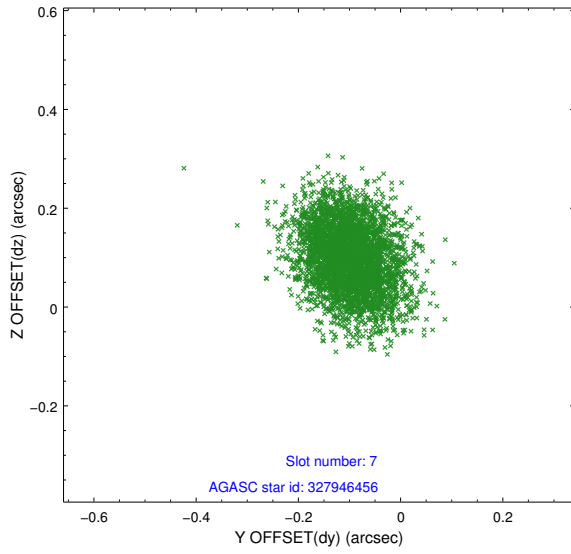
2.4.3 Slot 5



2.4.4 Slot 6

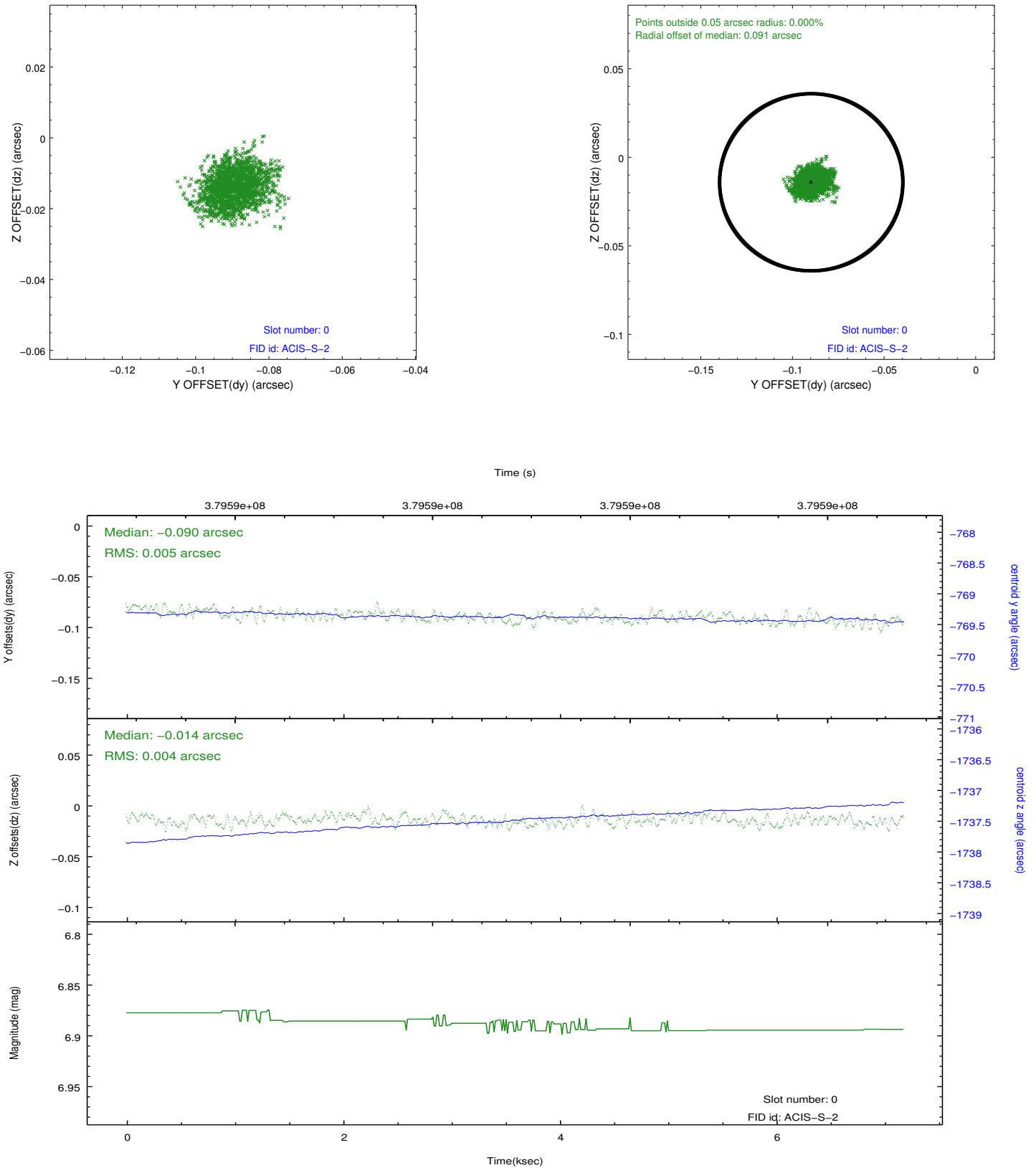


2.4.5 Slot 7

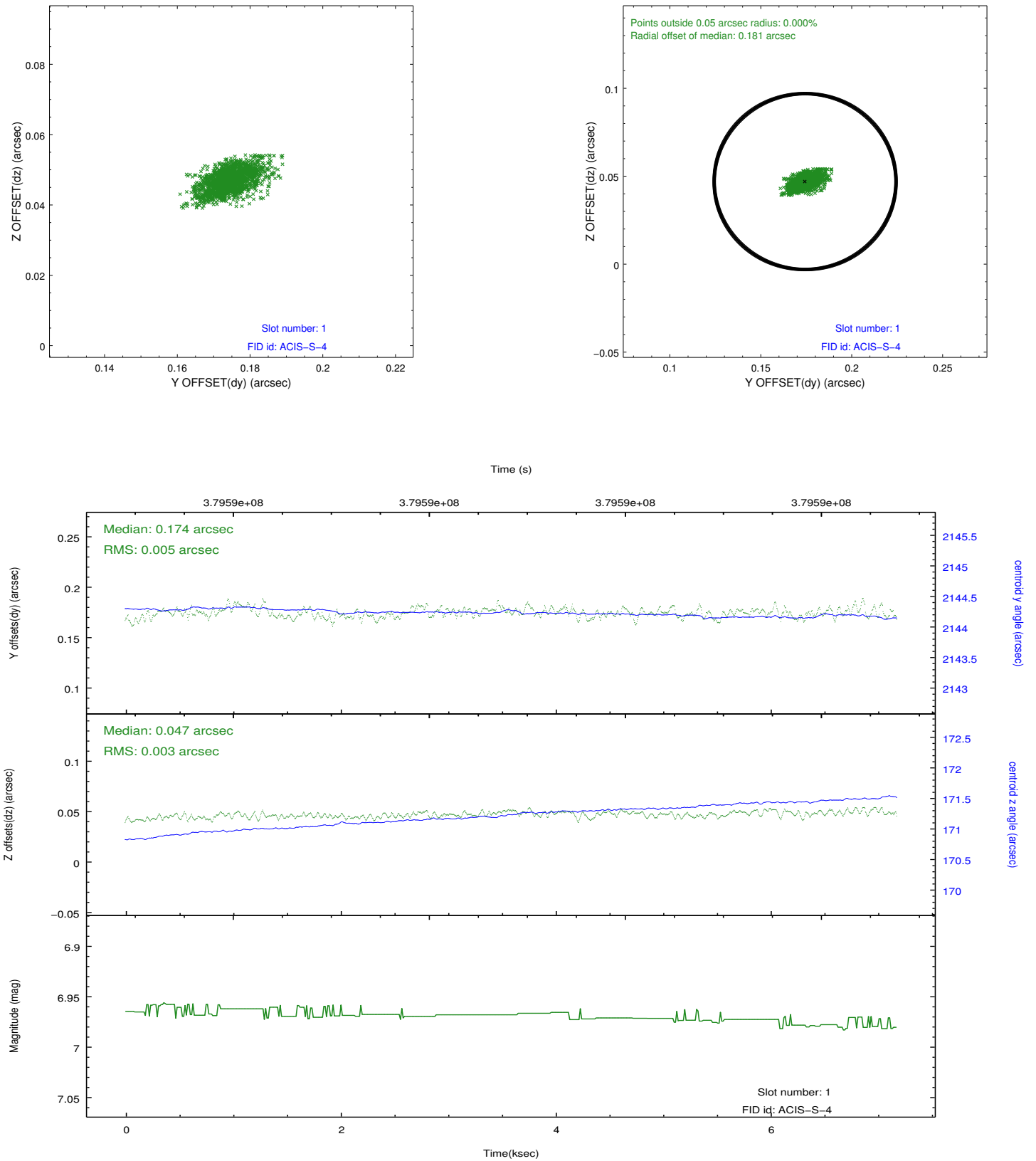


2.5 FID Slots

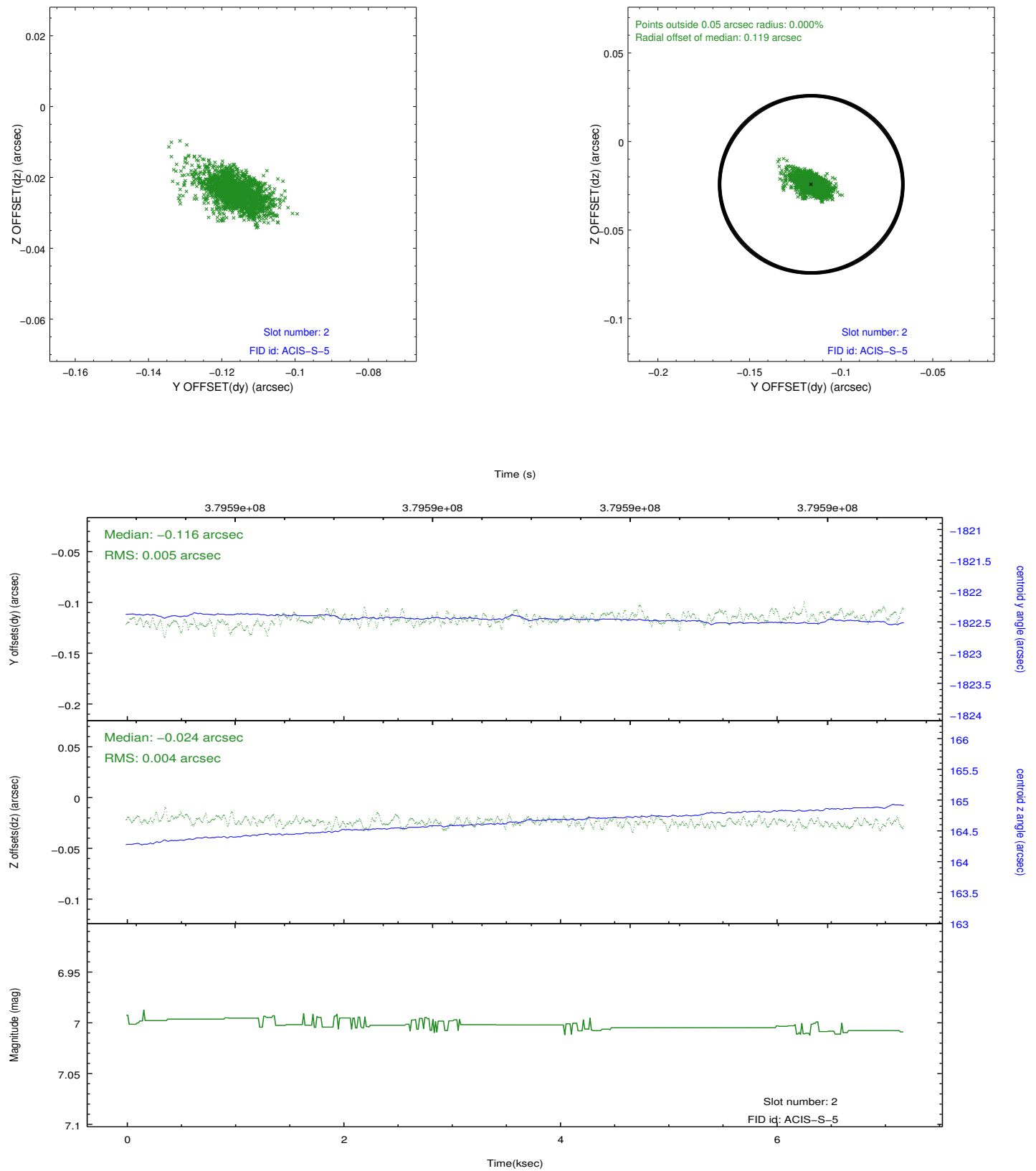
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.8520001021624

A.2 Comments