

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5739 - L2 Version 3
Chandra X-Ray Center

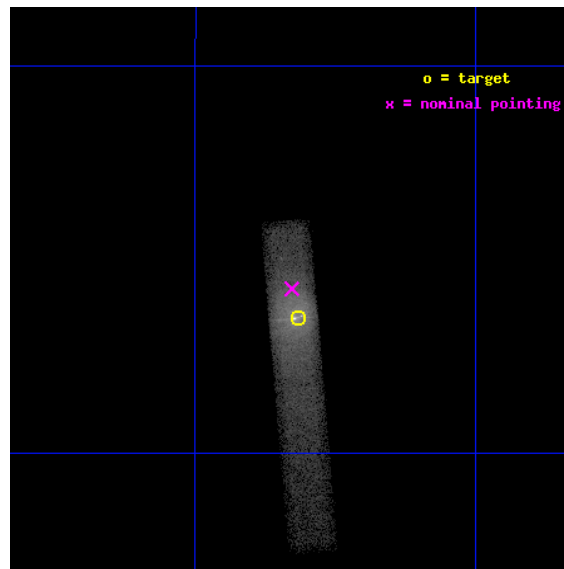
L2 Processing Date : Dec 18 2012

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1 Front

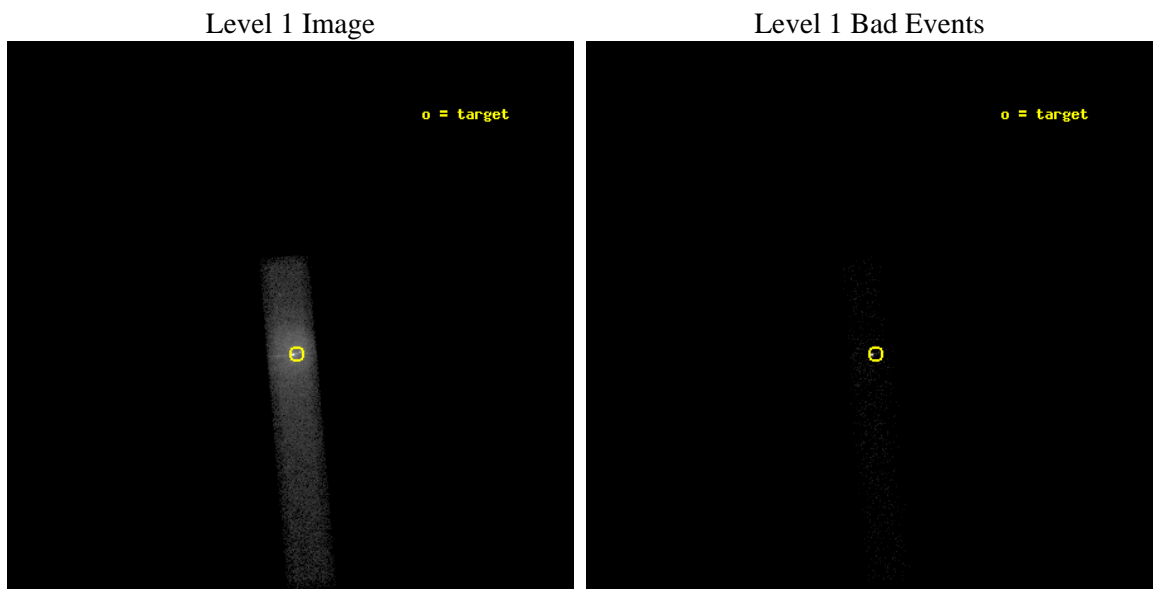
seq_num	701161	Sequence number
obs_id	5739	Observation id
title	The X-ray Flares of Knot 'HST-1' in the M87 Jet (monitoring)	Pro
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.7069464618	Nominal RA [deg]
dec_nom	12.40394560775	Nominal Dec [deg]
roll_nom	85.066922914664	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5682.340239495	Sum of GTIs [s]
livetime	5153.5826587113	Livetime [s]
ontime7	5682.340239495	Sum of GTIs [s]
l2events	66533	Number of level 2 events



2 OBI

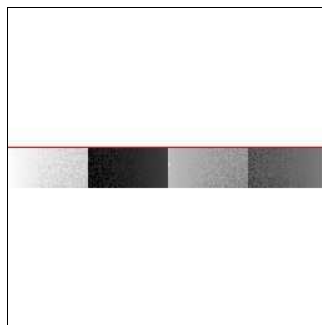
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5499.870000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	5682.340239495	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	5682.340239495	Sum of GTIs [s]
date	2012-12-17T16:20:45	Date and time of file creation	l1events	80659	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	80659
rejected events	13349
rejected %	16%

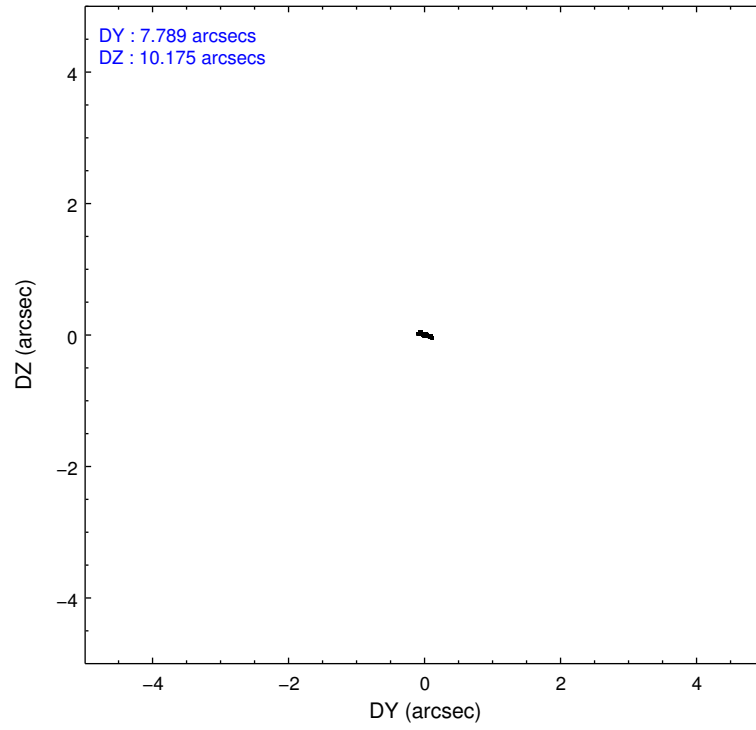
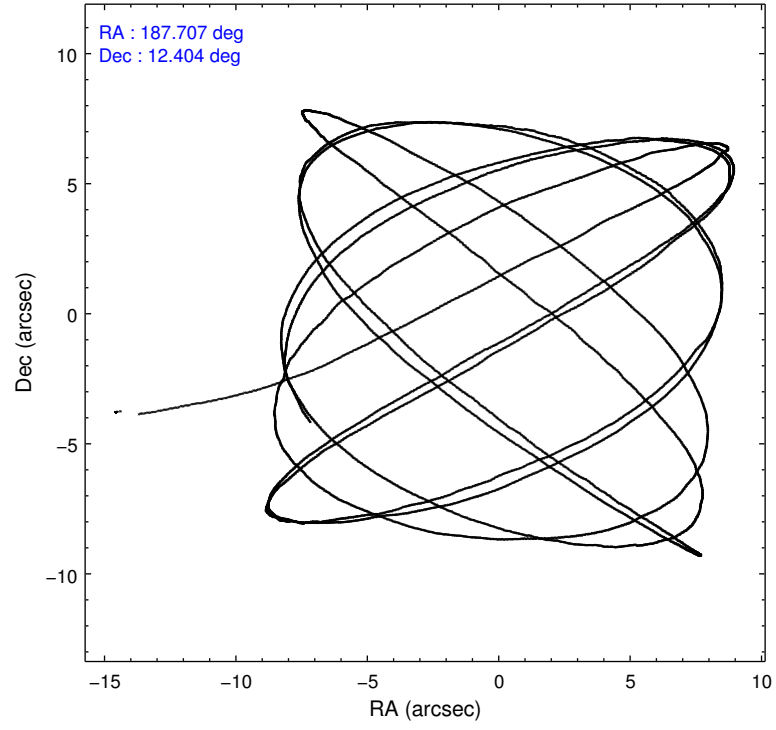
	ccd 7
grade 0 events	20145
	24%
grade 1 events	491
	0%
grade 2 events	16886
	20%
grade 3 events	7543
	9%
grade 4 events	7309
	9%
grade 5 events	3263
	4%
grade 6 events	15435
	19%
grade 7 events	9587
	11%

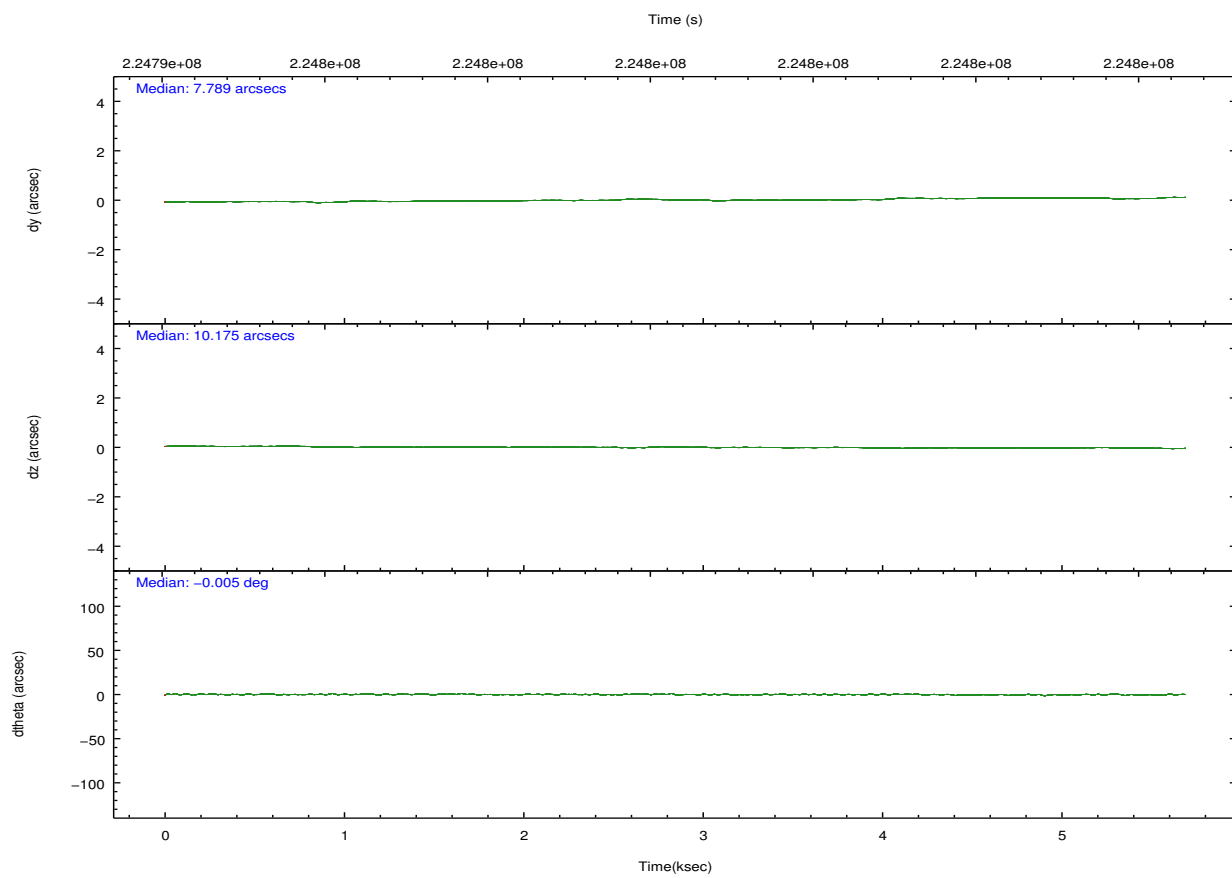
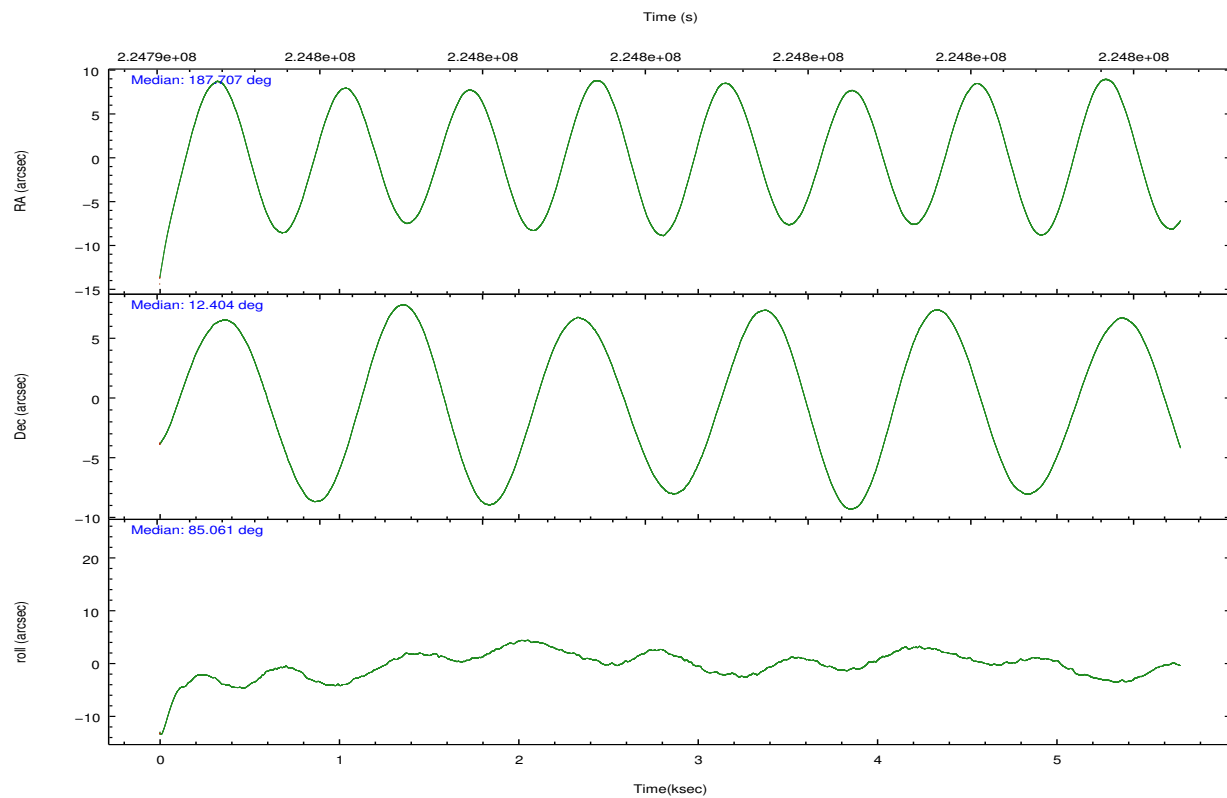
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	187.719149	187.7069464618049
[deg] Pointing Dec	12.379319	12.40394560774998
[deg] Pointing Roll	84.907684	85.06692291466376
[s] Window start time (MET)	224726464.184000	224726464.184000
[s] Window stop time (MET)	225331264.184000	225331264.184000
[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)	224794493.184000	224793869.8242
Observation start date	2005-02-14T18:53:49	2005-02-14T18:44:29
[s] Observation end time (MET)	224799993.184000	224800214.57449
Observation end date	2005-02-14T20:25:29	2005-02-14T20:30:14
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



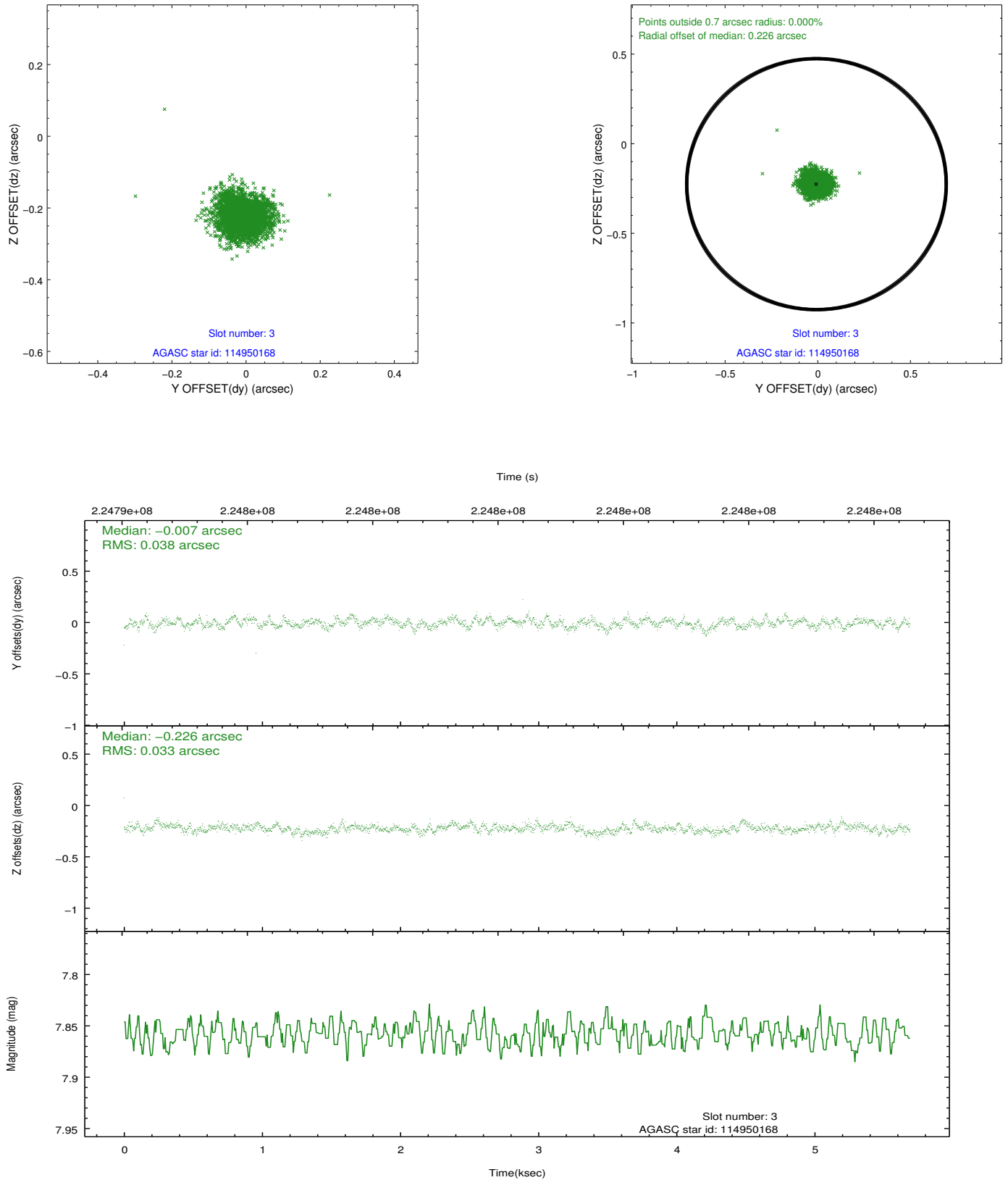


Slot Statistics

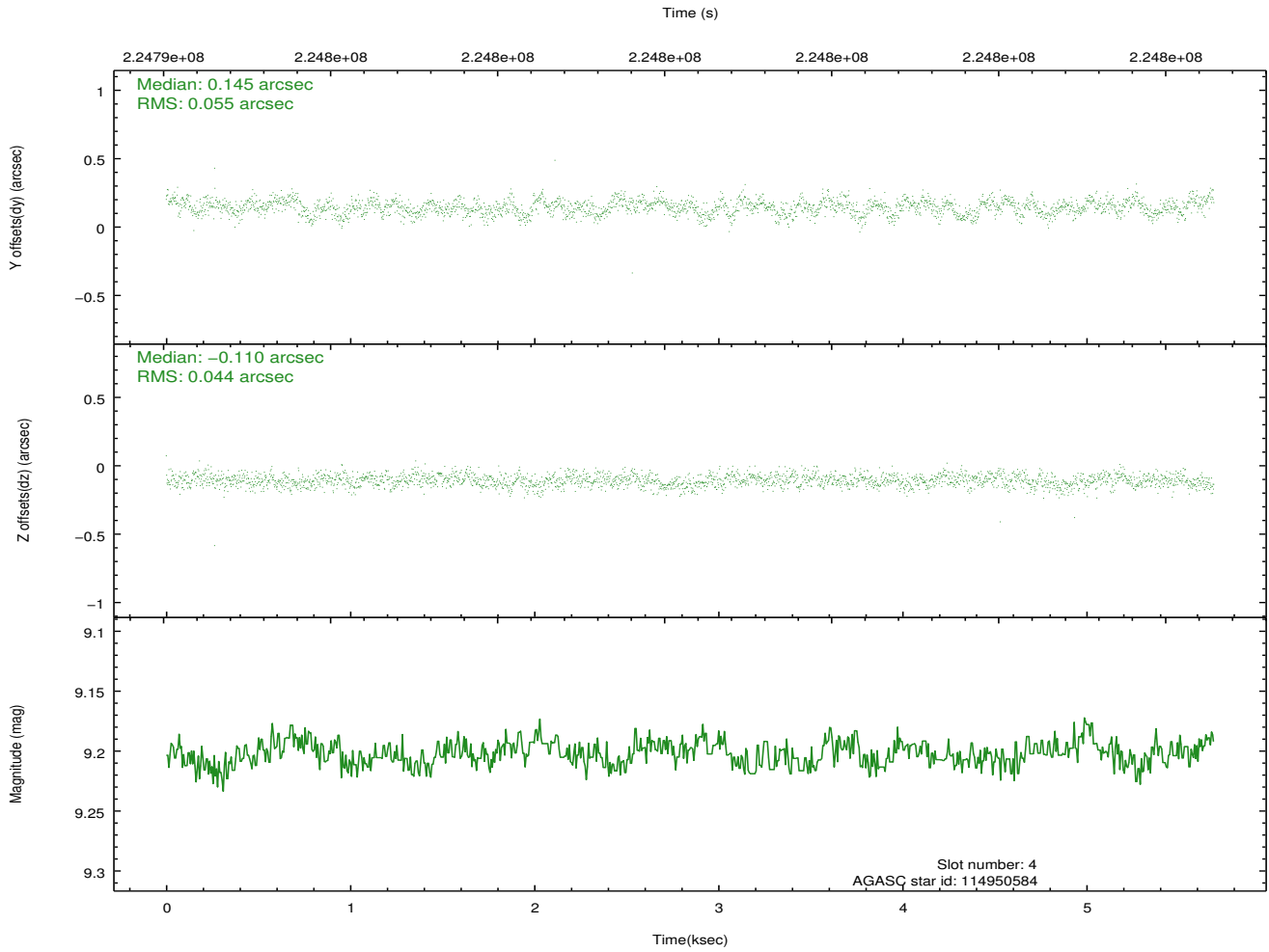
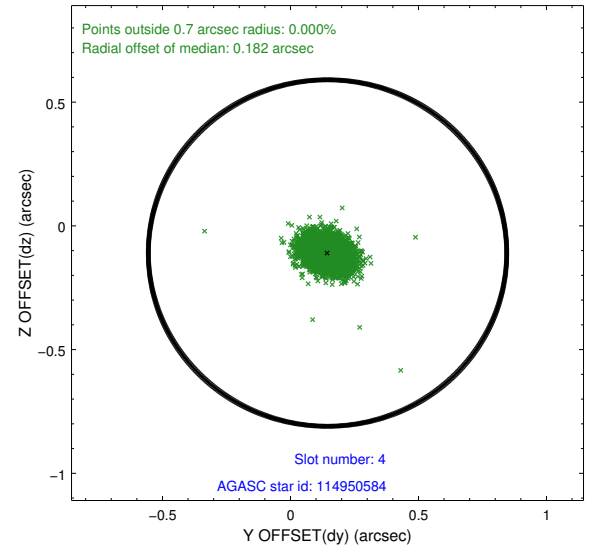
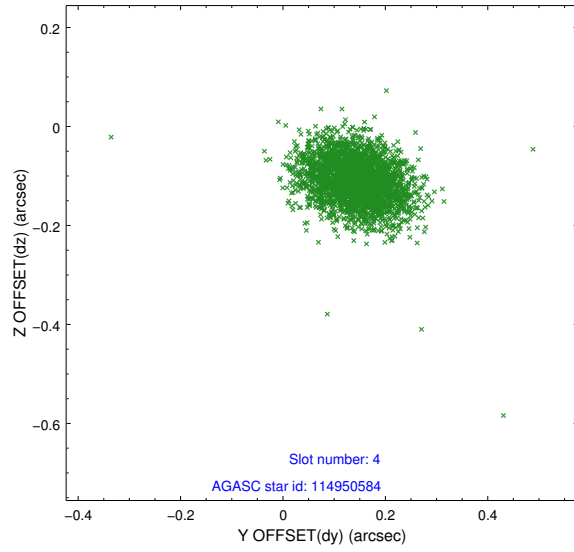
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1388	-0.045	-0.022	0.006	0.011	0.000000	0.000000	-760.57	-1731.47
1	FID	ACIS-S-4	7.21	1389	0.106	0.028	0.005	0.009	0.000000	0.000000	2152.33	176.05
2	FID	ACIS-S-5	7.23	1389	-0.092	0.003	0.006	0.010	0.000000	0.000000	-1812.16	170.80
3	GUIDE	114950168	7.86	2777	-0.007	-0.226	0.052	0.085	187.143398	12.117441	-1117.46	1934.90
4	GUIDE	114950584	9.20	2774	0.145	-0.110	0.073	0.120	187.487323	11.827248	-2052.51	638.03
5	GUIDE	114952824	8.56	2776	-0.110	-0.101	0.065	0.107	187.703904	12.486727	379.12	88.28
6	GUIDE	114955056	8.31	2777	0.029	0.337	0.064	0.099	187.914001	12.127854	-840.68	-762.88
7	GUIDE	114955568	7.52	2776	-0.054	0.102	0.061	0.100	187.061916	11.826551	-2185.89	2130.28

2.4 Star Slots

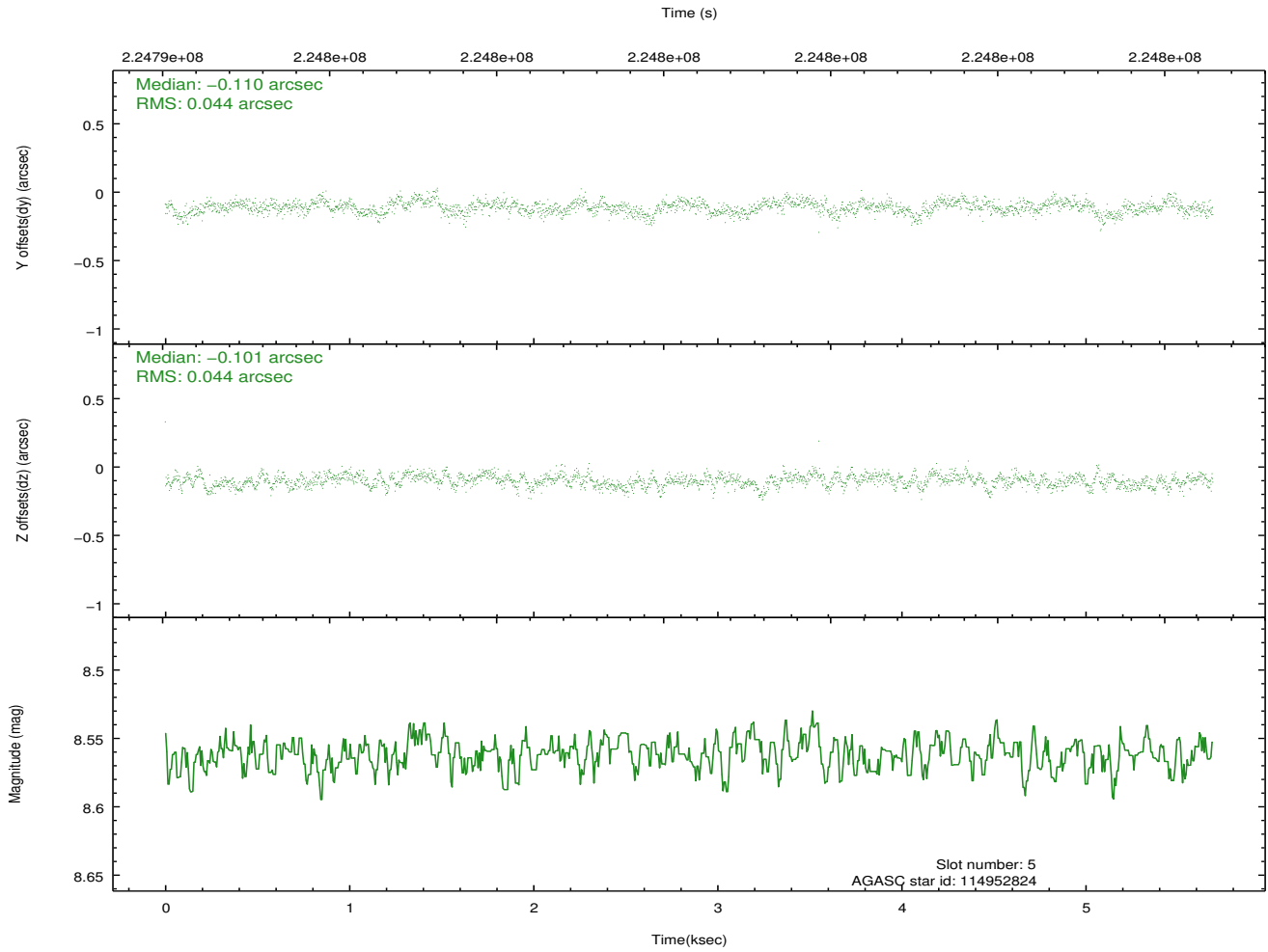
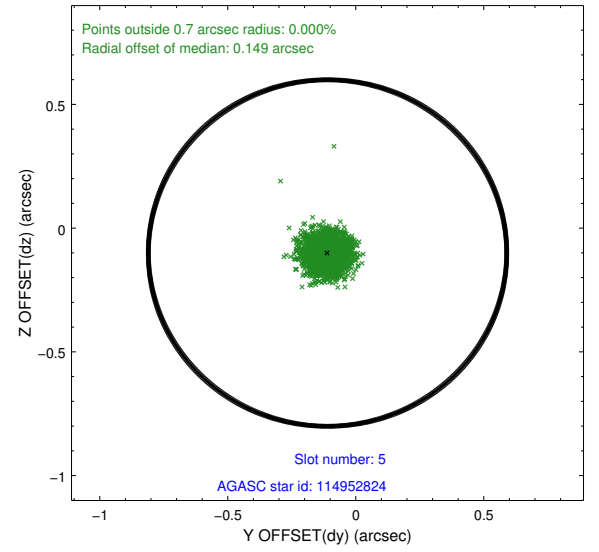
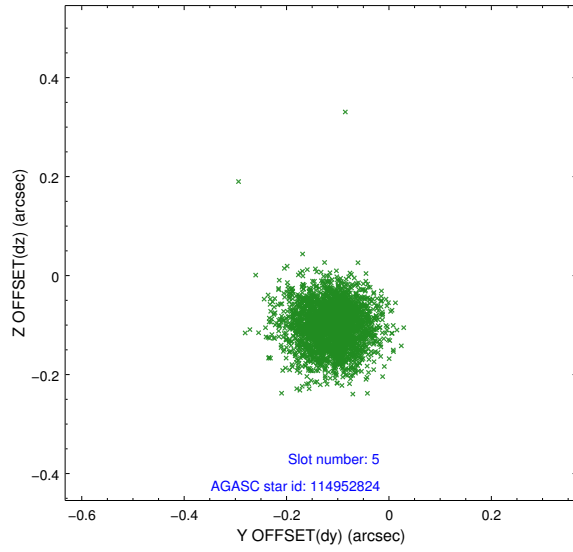
2.4.1 Slot 3



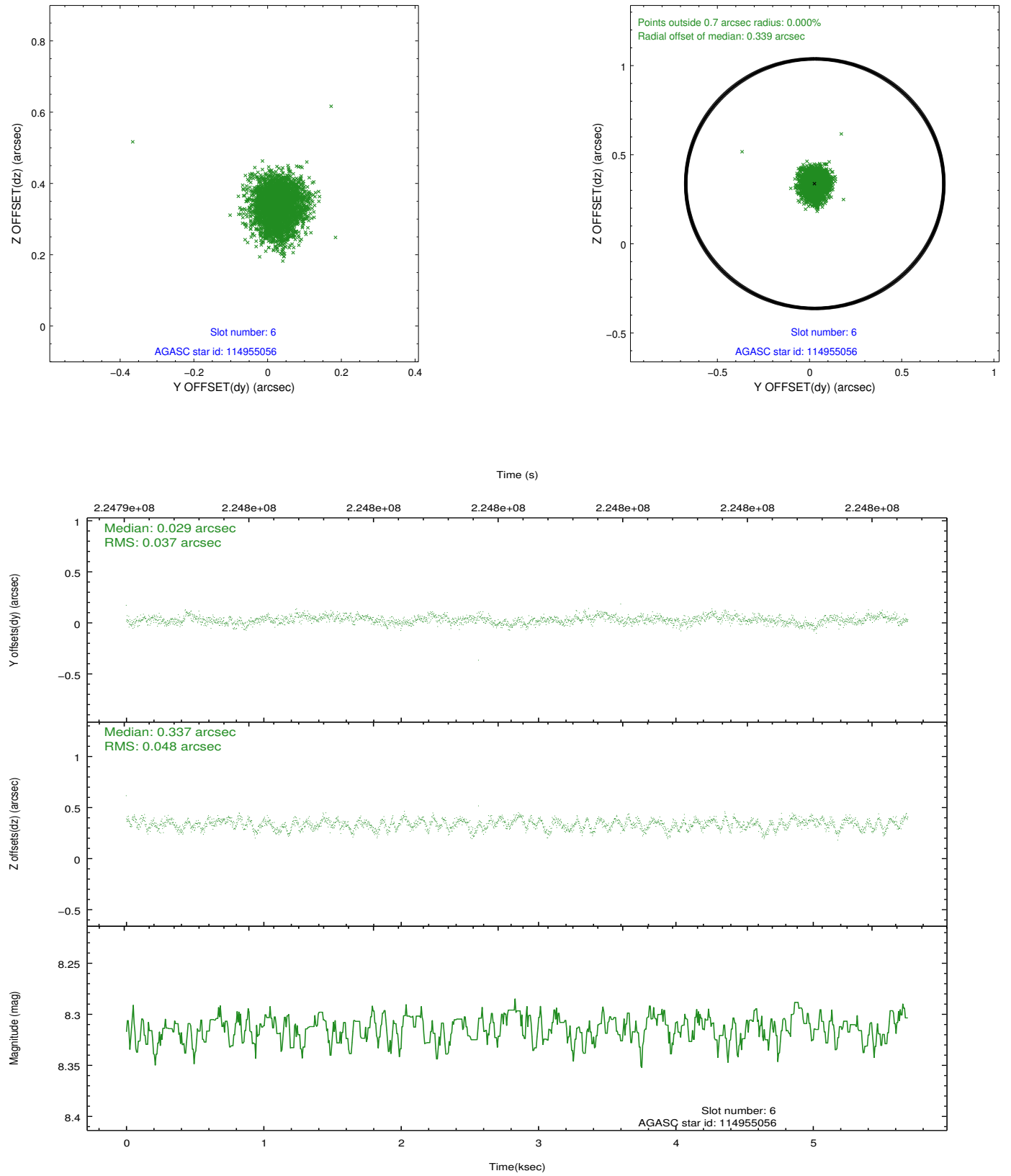
2.4.2 Slot 4



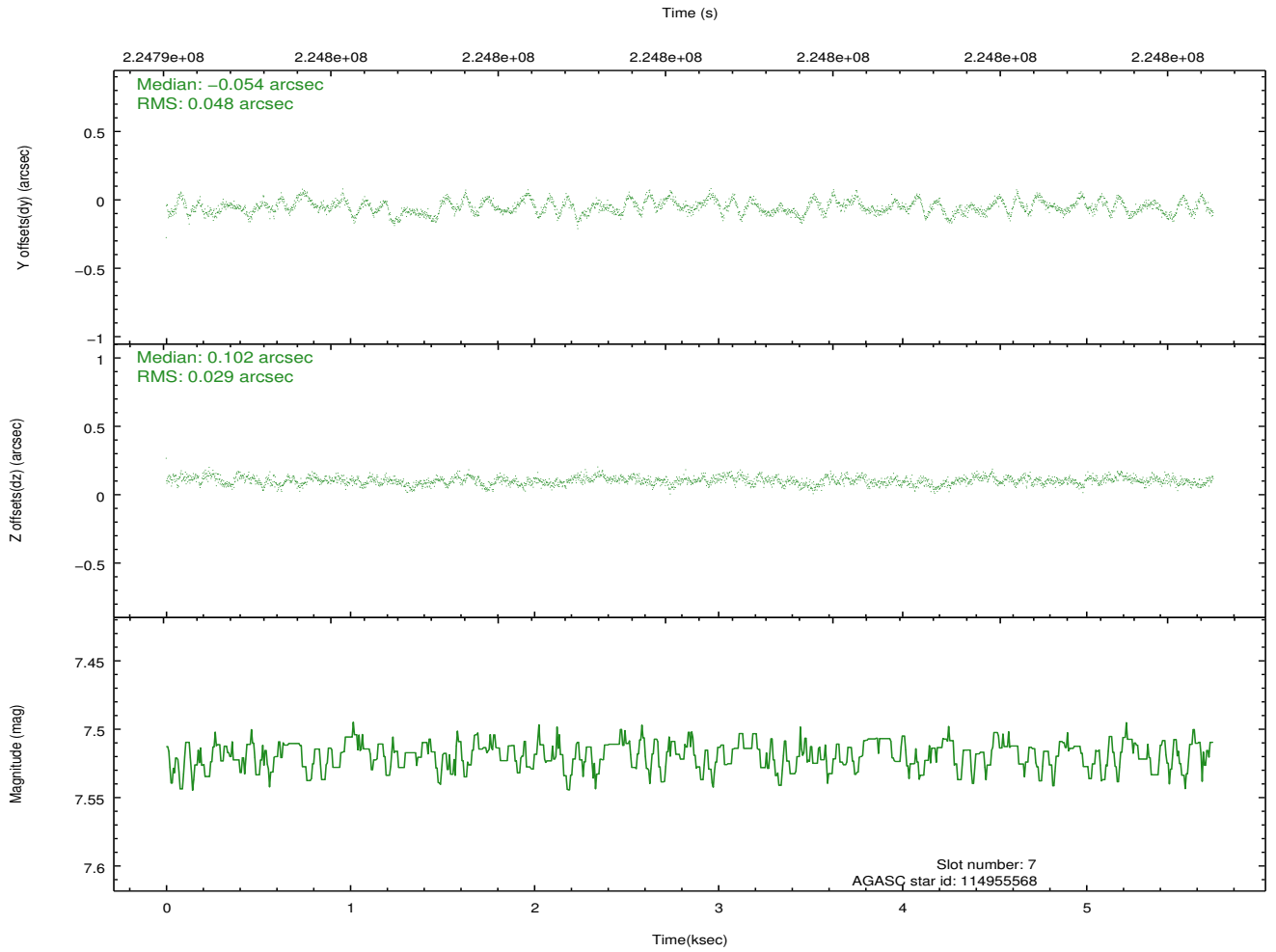
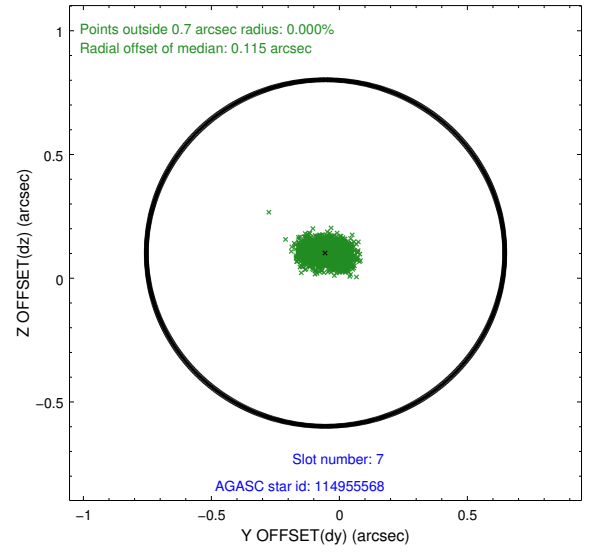
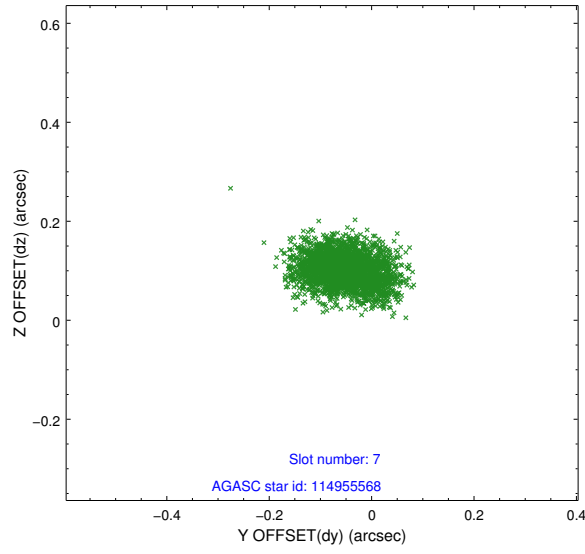
2.4.3 Slot 5



2.4.4 Slot 6

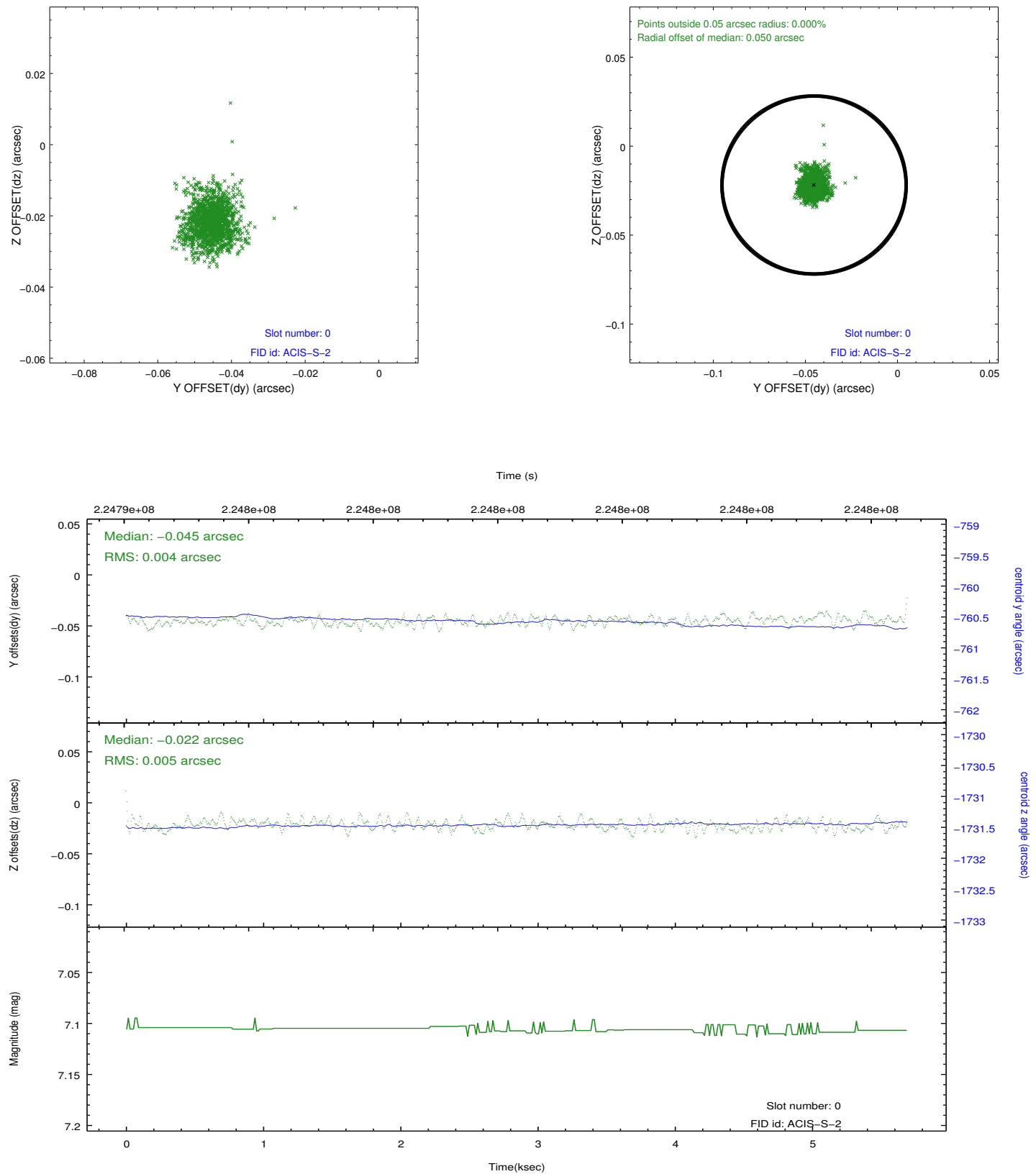


2.4.5 Slot 7

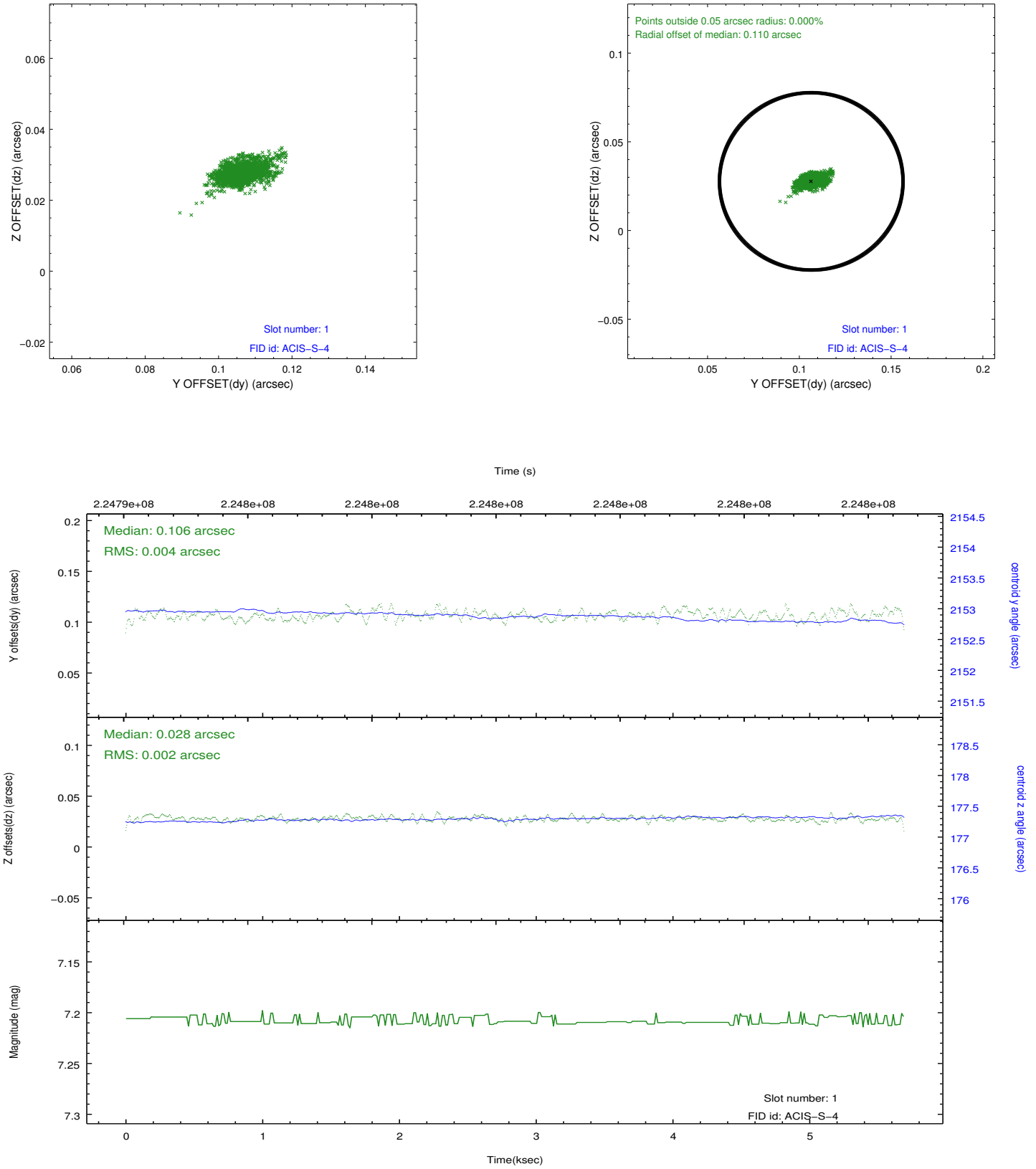


2.5 FID Slots

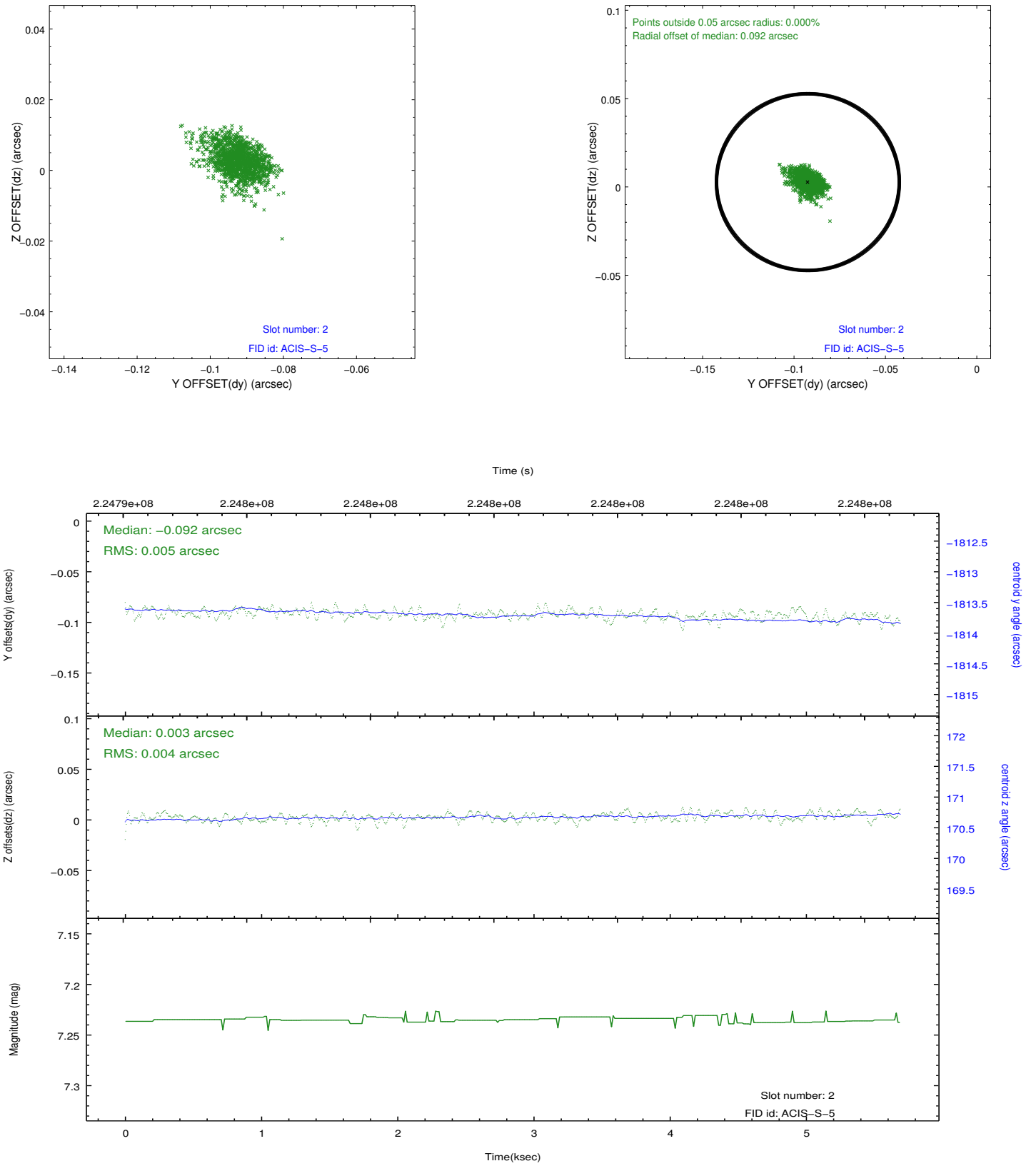
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6824

A.2 Comments

Joint proposal with HST.

Window preference met.