

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 687 - L2 Version 5
Chandra X-Ray Center

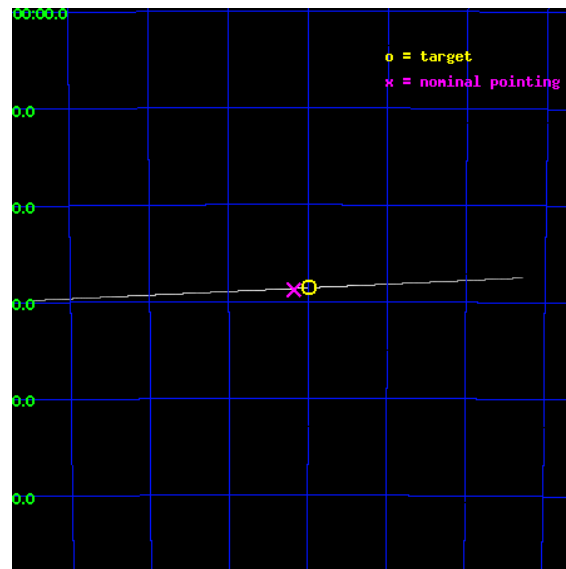
L2 Processing Date : Aug 28 2012

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1 Front

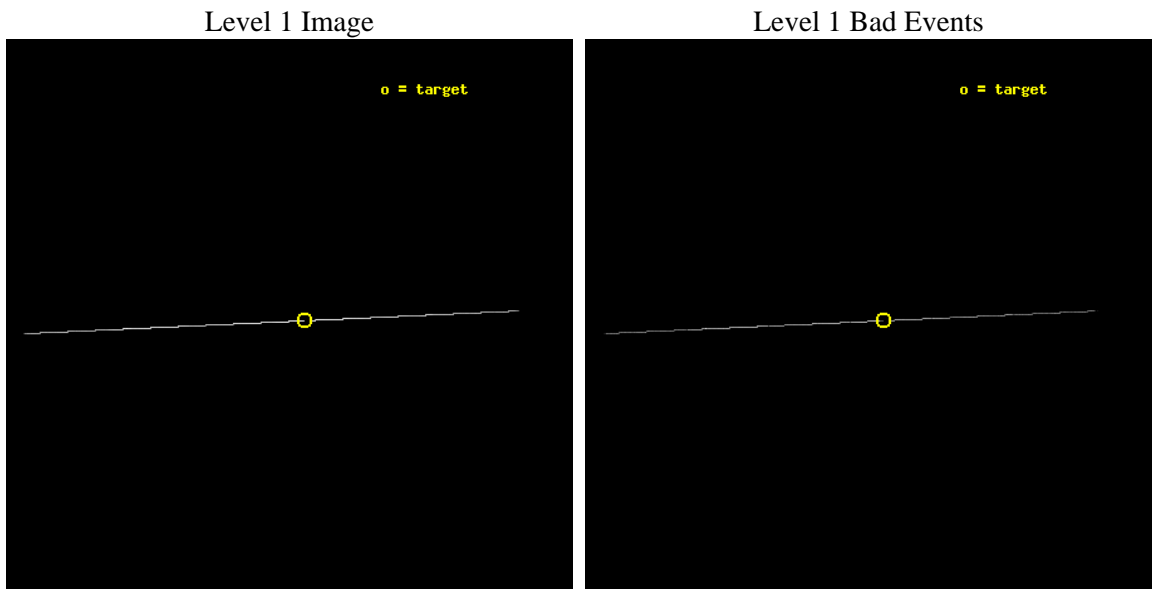
seq_num	400054	Sequence number
obs_id	687	Observation id
title	AXAF OBSERVATIONS OF A BRIGHT BLACK HOLE X-RAY BINARY IN OUTBURST	
observer	Prof. Walter Lewin	Principal investigator
object	XTE J1550-564 (OUTBURST DECAY)	Source name
ra_targ	237.745417	Observer's specified target RA [deg]
dec_targ	-56.476472	Observer's specified target Dec [deg]
ra_nom	237.79406919643	Nominal RA [deg]
dec_nom	-56.480055203608	Nominal Dec [deg]
roll_nom	357.36147443358	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2444.75	Sum of GTIs [s]
livetime	2435.2001953125	Livetime [s]
ontime4	2444.75	Sum of GTIs [s]
ontime5	2444.75	Sum of GTIs [s]
ontime6	2444.75	Sum of GTIs [s]
ontime7	2444.75	Sum of GTIs [s]
ontime8	2444.75	Sum of GTIs [s]
ontime9	2444.75	Sum of GTIs [s]
l2events	65517	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2169.113000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2444.75	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	2444.75	Sum of GTIs [s]
date	2012-08-28T04:26:56	Date and time of file creation	ontime5	2444.75	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	2444.75	Sum of GTIs [s]
			ontime7	2444.75	Sum of GTIs [s]
			ontime8	2444.75	Sum of GTIs [s]
			ontime9	2444.75	Sum of GTIs [s]
			l1events	99812	Number of level 1 events

2.1.3 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	4926	20086	14242	42494	12992	5072
rejected events	1730	6884	5340	7913	3202	1656
rejected %	35%	34%	37%	18%	24%	32%

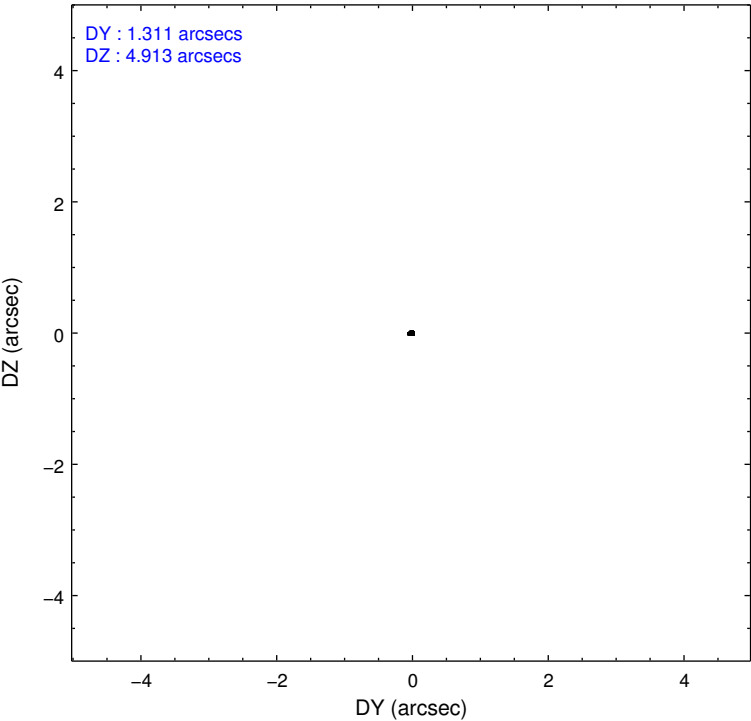
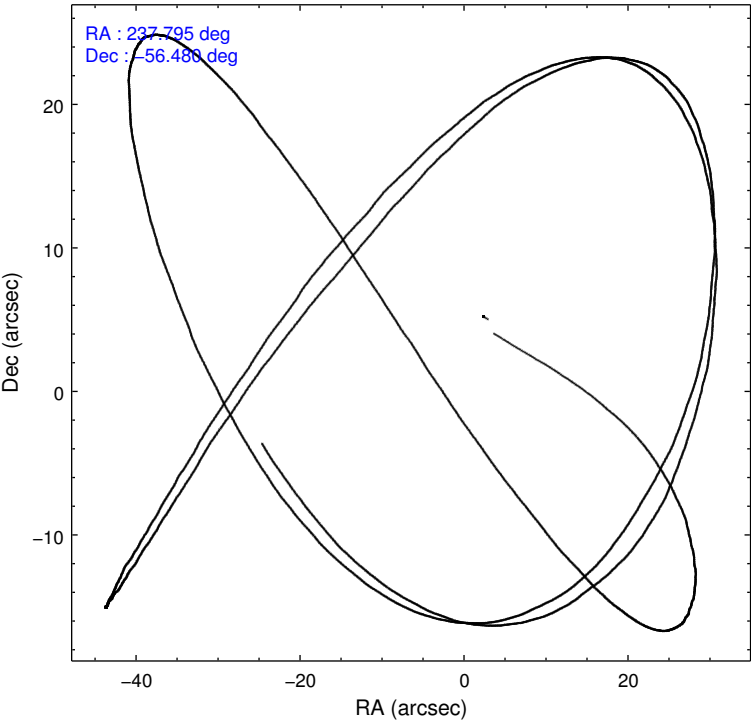
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	550	3089	1839	7772	2644	553
	11%	15%	12%	18%	20%	10%
grade 1 events	7	17	19	93	41	10
	0%	0%	0%	0%	0%	0%
grade 2 events	1716	5656	8829	12218	5084	1850
	34%	28%	61%	28%	39%	36%
grade 3 events	613	662	646	3446	1157	511
	12%	3%	4%	8%	8%	10%
grade 4 events	700	532	658	3408	1072	595
	14%	2%	4%	8%	8%	11%
grade 5 events	603	1630	807	2126	1016	725
	12%	8%	5%	5%	7%	14%
grade 6 events	737	8500	1444	13431	1978	828
	14%	42%	10%	31%	15%	16%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

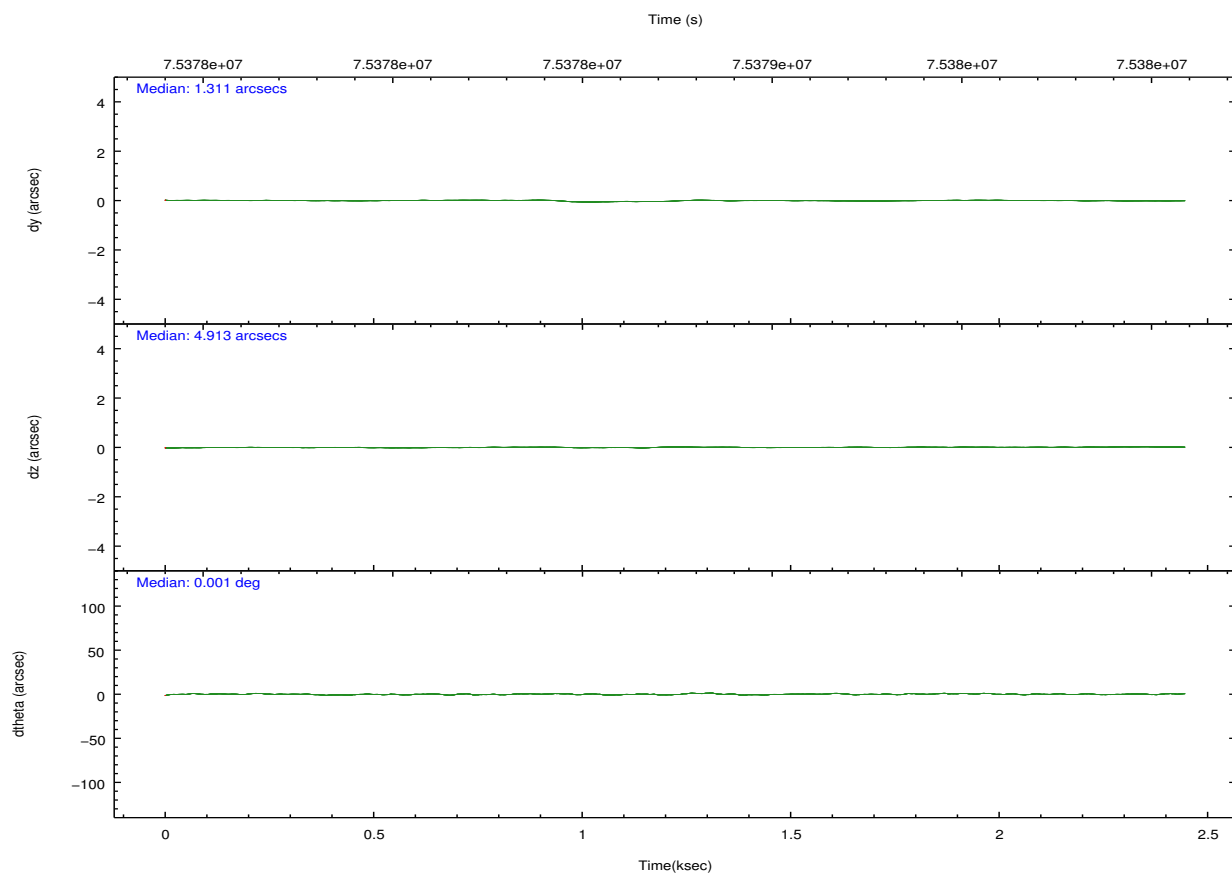
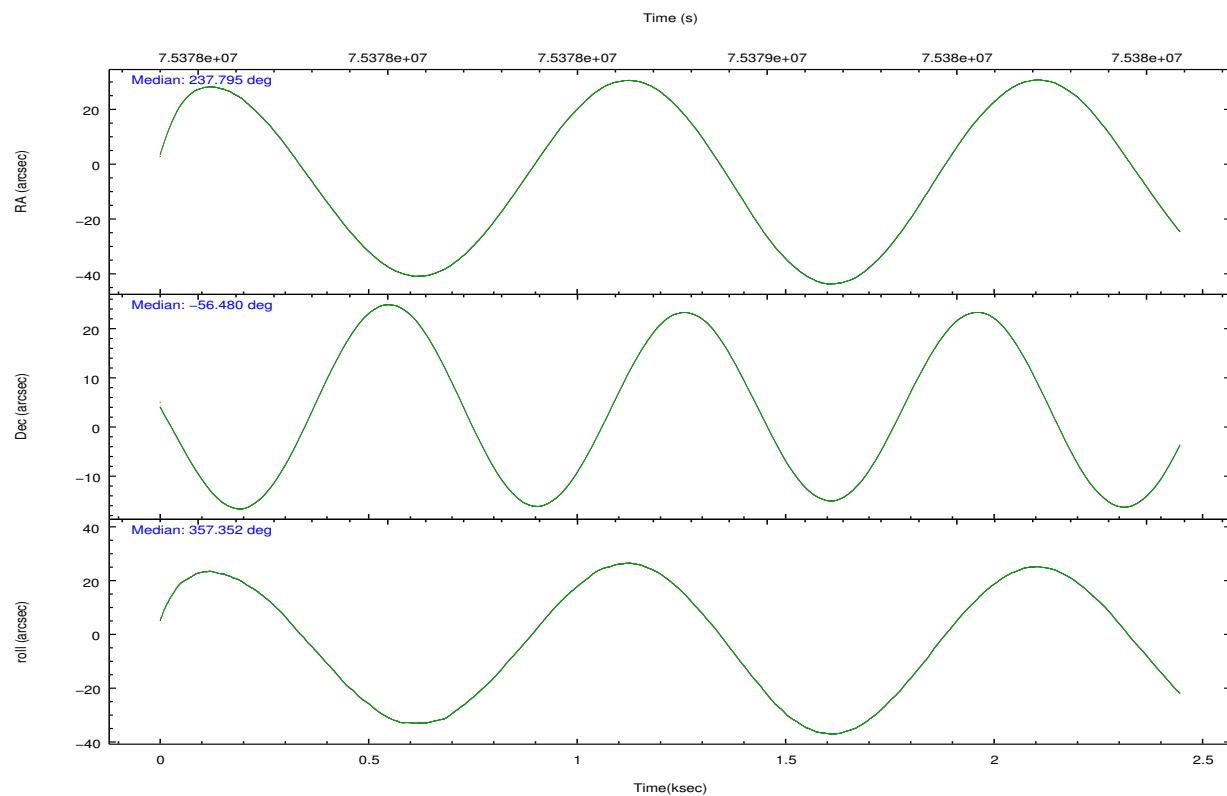
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	CC33_GRADED	CC33_GRADED
Observation mode	POINTING	POINTING
[deg] Pointing RA	237.749132	237.7940691964267
[deg] Pointing Dec	-56.492253	-56.48005520360838
[deg] Pointing Roll	357.167345	357.3614744335827
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-200.132523	-200.1369836888744
[mm] SIM translation stage offset	10	10.00446110586662
[s] Observation start time (MET)	75377802.184000	75376801.05130699
Observation start date	2000-05-22T10:15:38	2000-05-22T10:00:01
[s] Observation end time (MET)	75379972.184000	75380280.92643499
Observation end date	2000-05-22T10:51:48	2000-05-22T10:58:00
Read mode	CONTINUOUS	CONTINUOUS

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	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0

2.3 Aspect



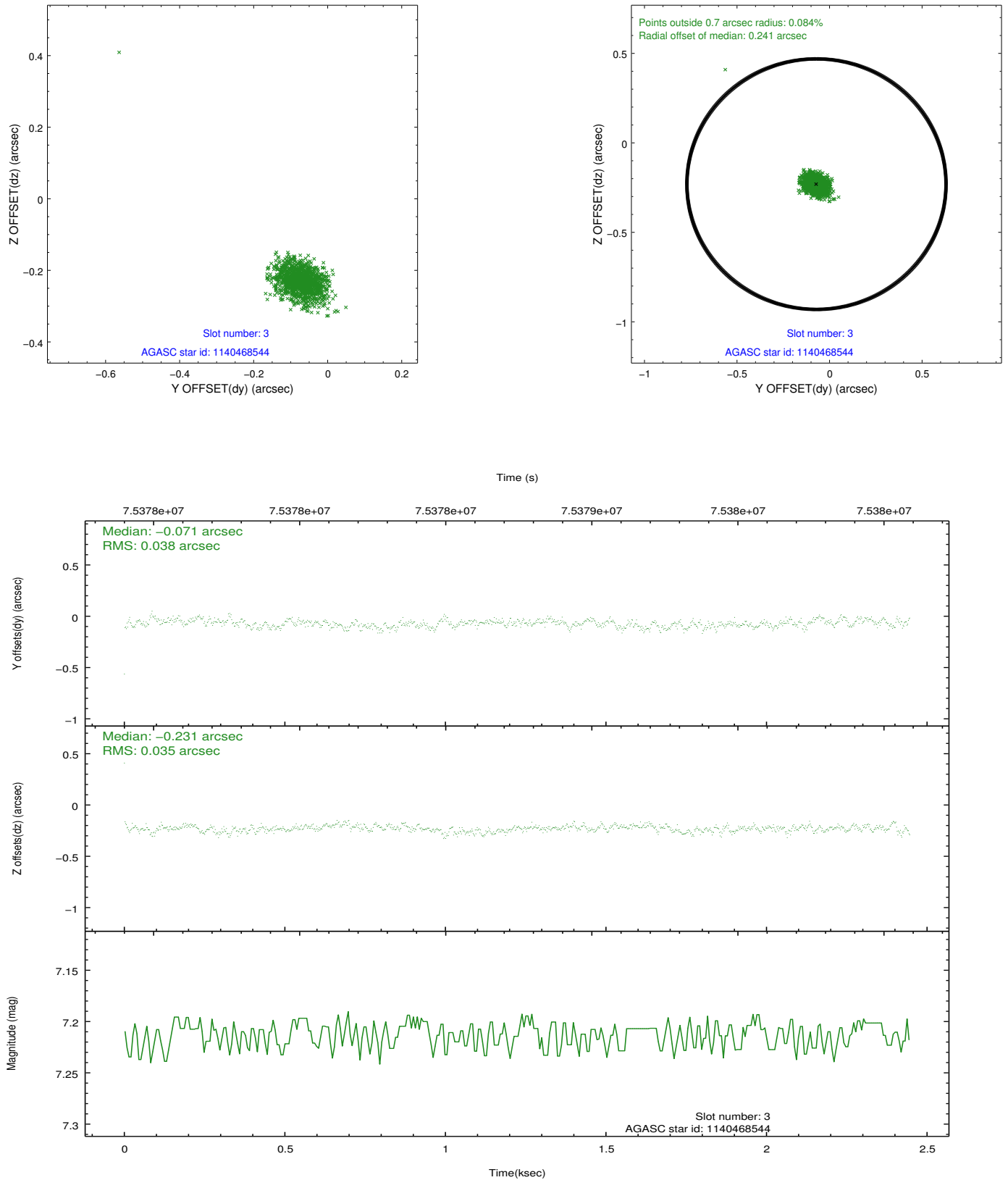


Slot Statistics

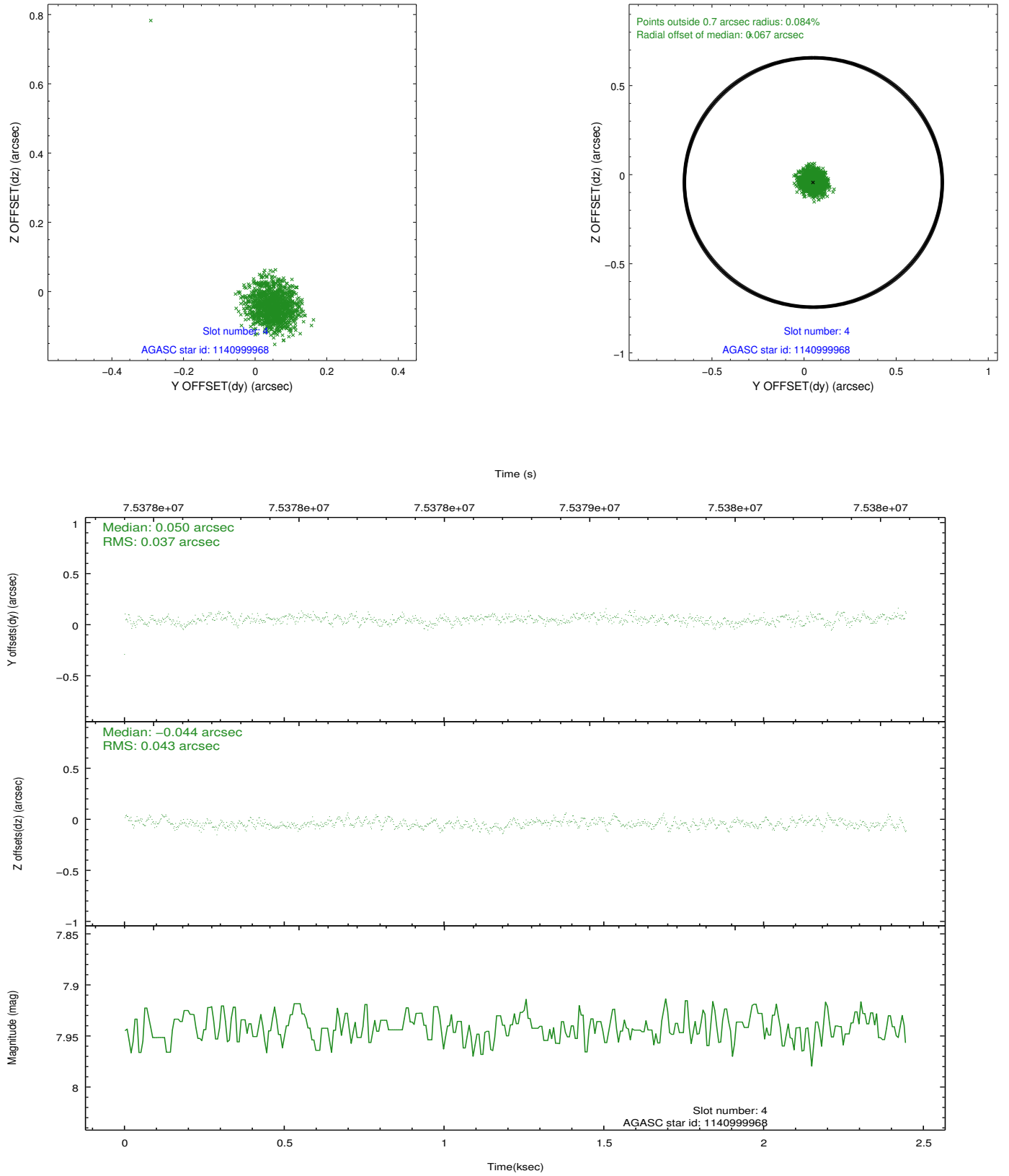
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.14	597	0.121	0.153	0.008	0.012	0.000000	0.000000	-754.52	-1519.57
1	FID	ACIS-S-4	7.24	597	-0.084	-0.099	0.007	0.012	0.000000	0.000000	2157.53	386.03
2	FID	ACIS-S-5	7.23	597	-0.068	-0.044	0.007	0.011	0.000000	0.000000	-1803.97	383.12
3	GUIDE	1140468544	7.21	1194	-0.071	-0.231	0.048	0.079	237.524626	-55.920475	-556.72	2032.86
4	GUIDE	1140999968	7.94	1193	0.050	-0.044	0.056	0.086	238.471952	-56.275988	1402.00	843.76
5	GUIDE	1140989920	8.90	1193	-0.144	0.169	0.087	0.145	237.647305	-57.151120	-82.17	-2377.72
6	GUIDE	1141008368	9.62	1193	0.098	0.078	0.088	0.147	237.932994	-56.629432	385.93	-477.18
7	GUIDE	1141004616	9.66	1193	0.069	0.034	0.097	0.160	238.066818	-56.808784	680.05	-1108.46

2.4 Star Slots

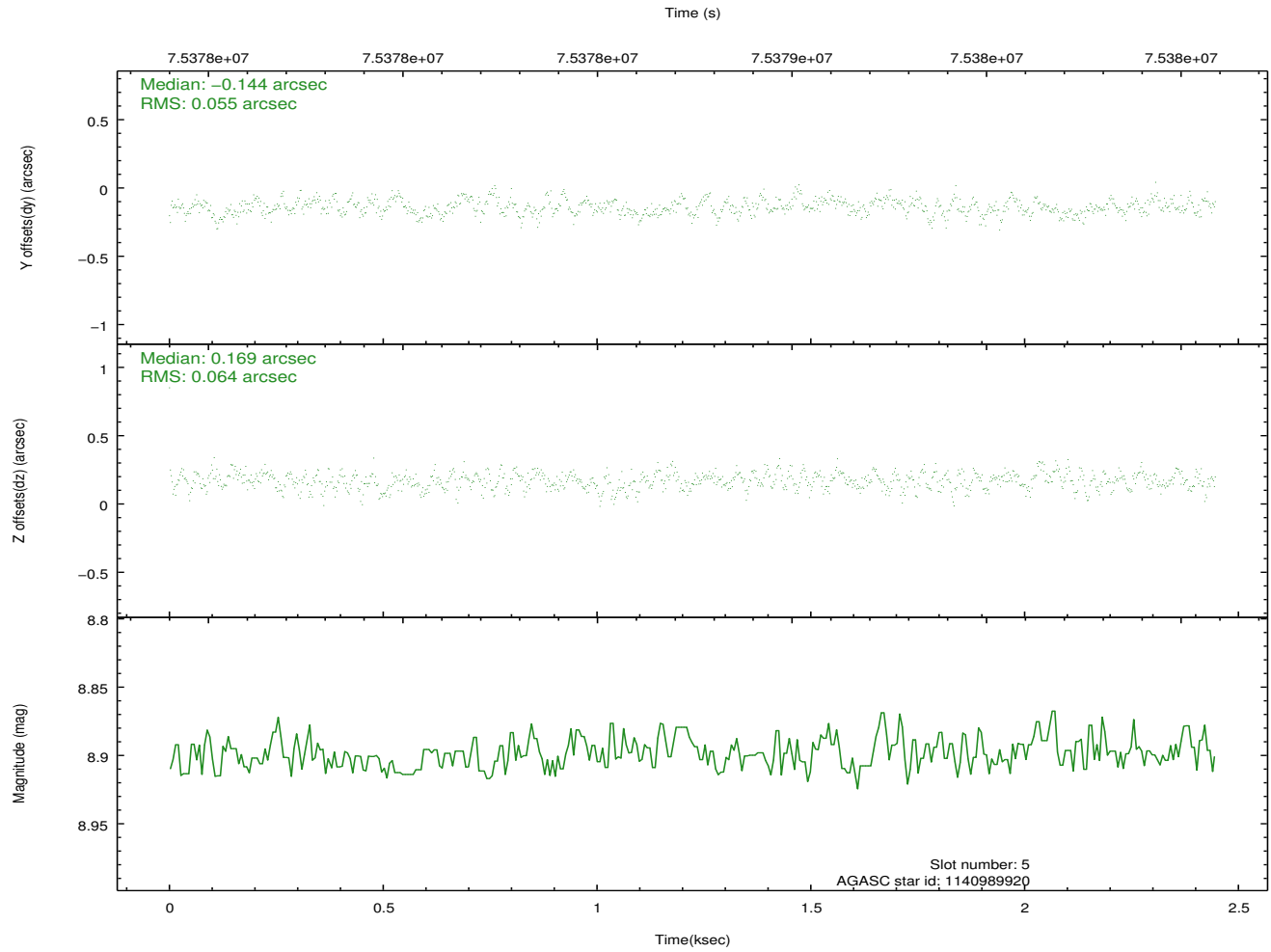
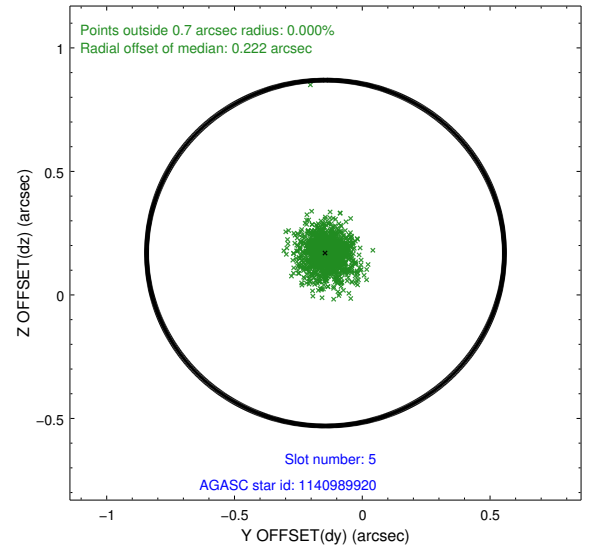
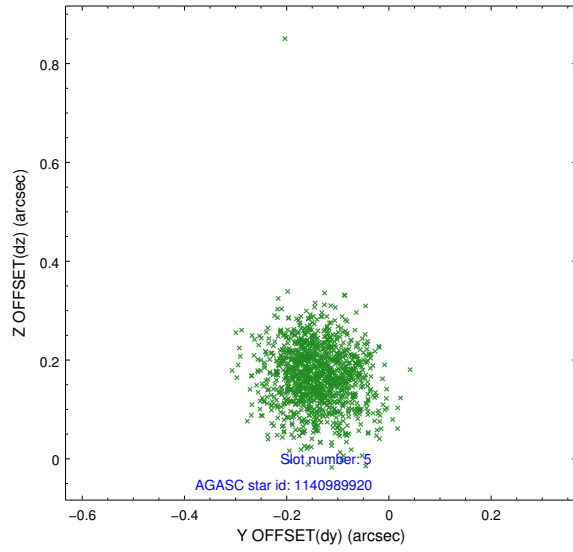
2.4.1 Slot 3



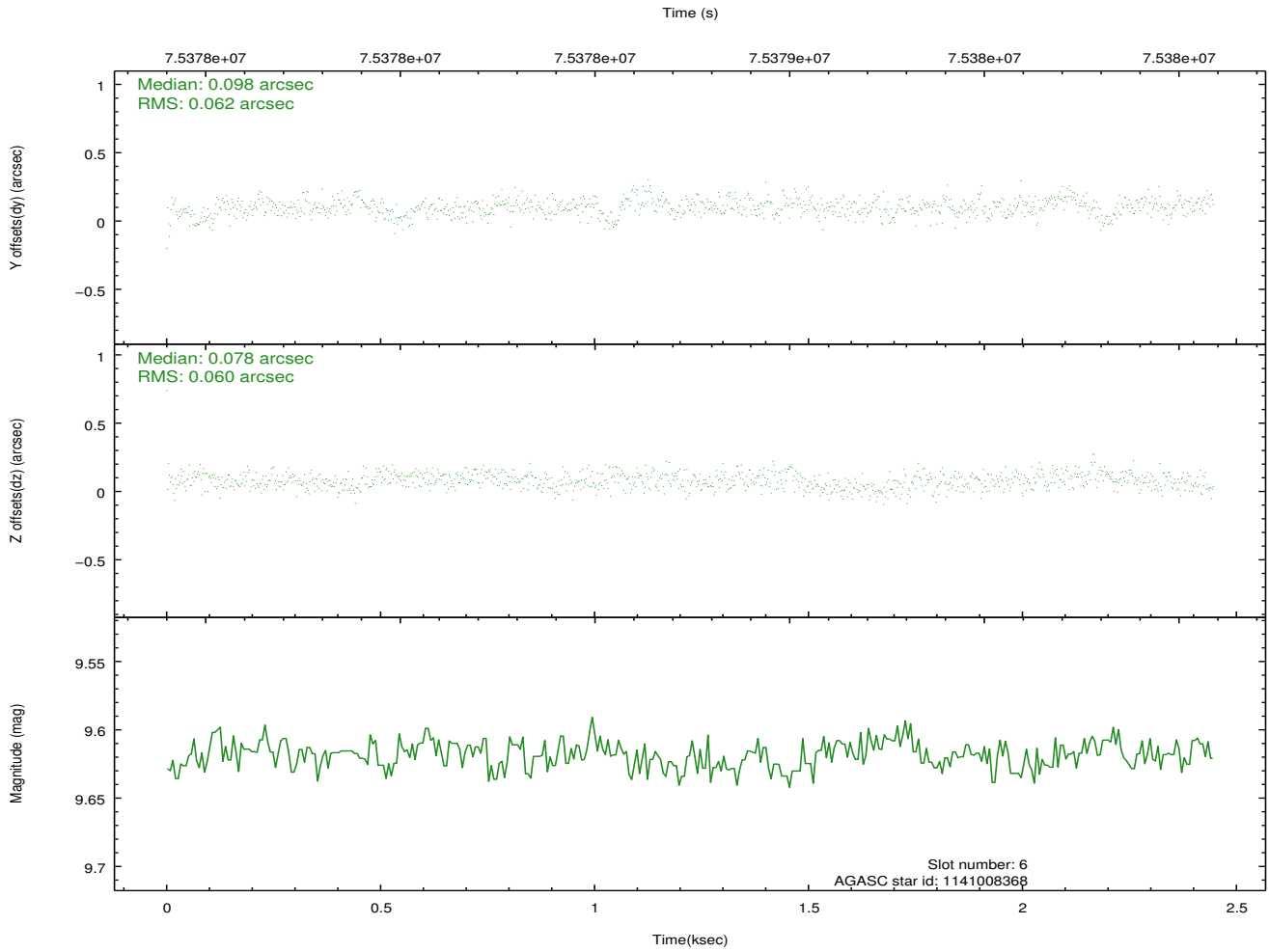
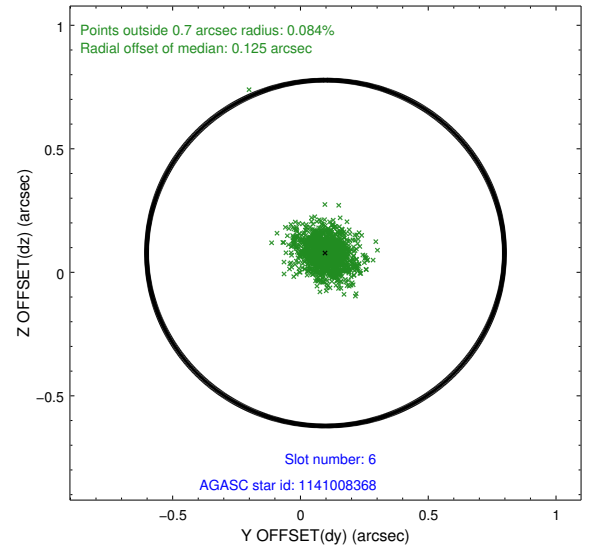
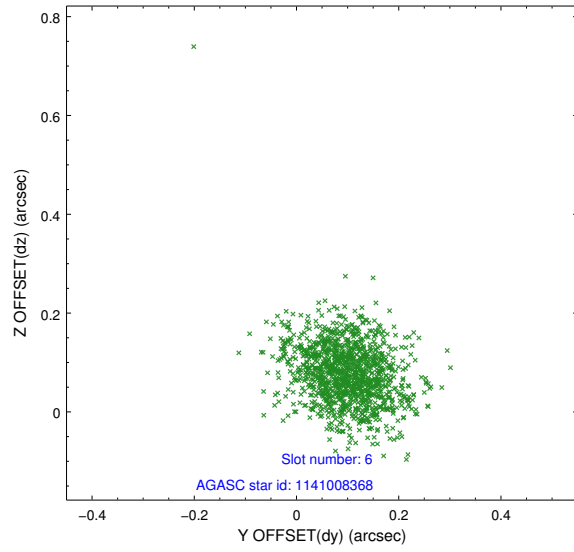
2.4.2 Slot 4



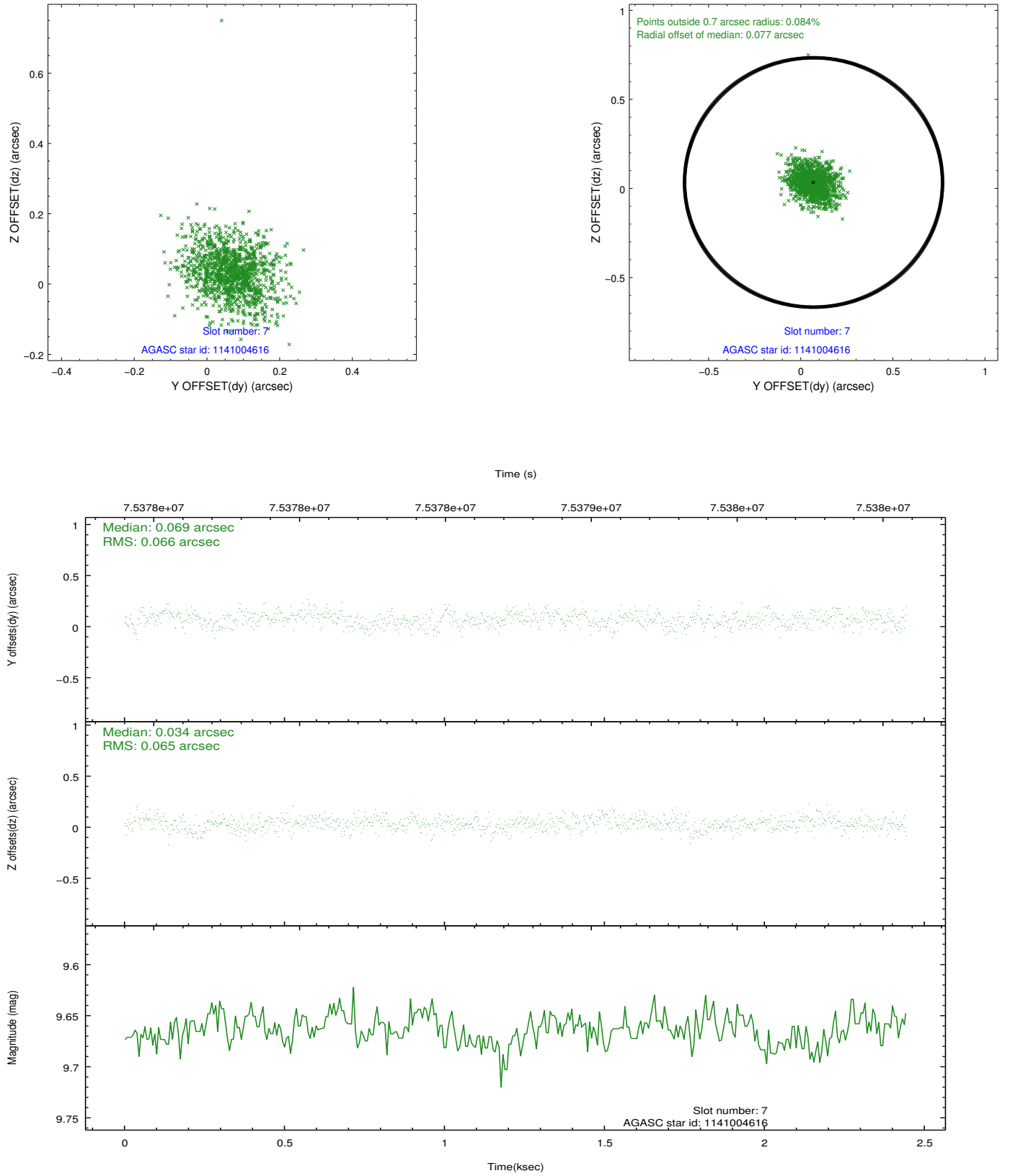
2.4.3 Slot 5



2.4.4 Slot 6

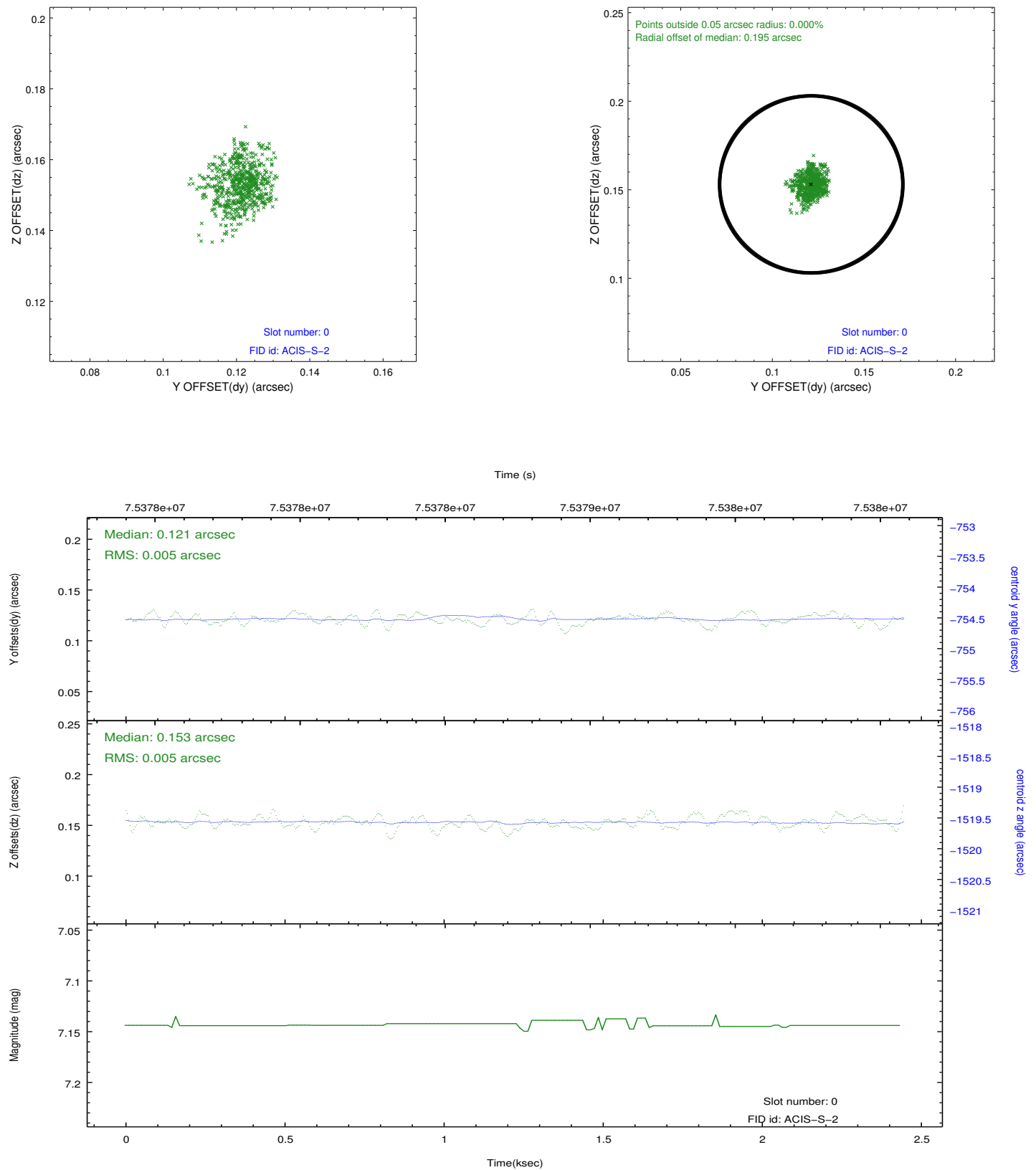


2.4.5 Slot 7

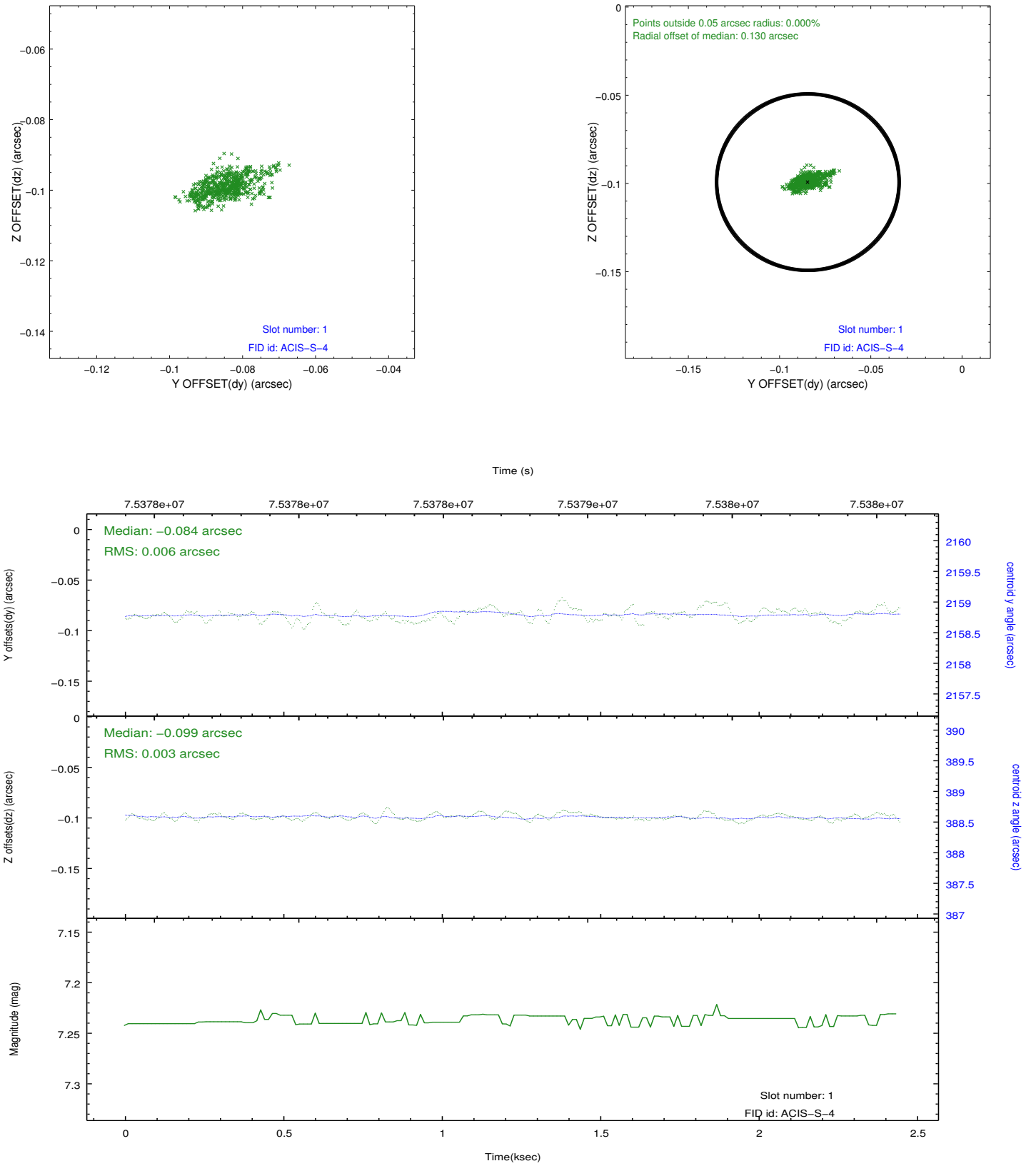


2.5 FID Slots

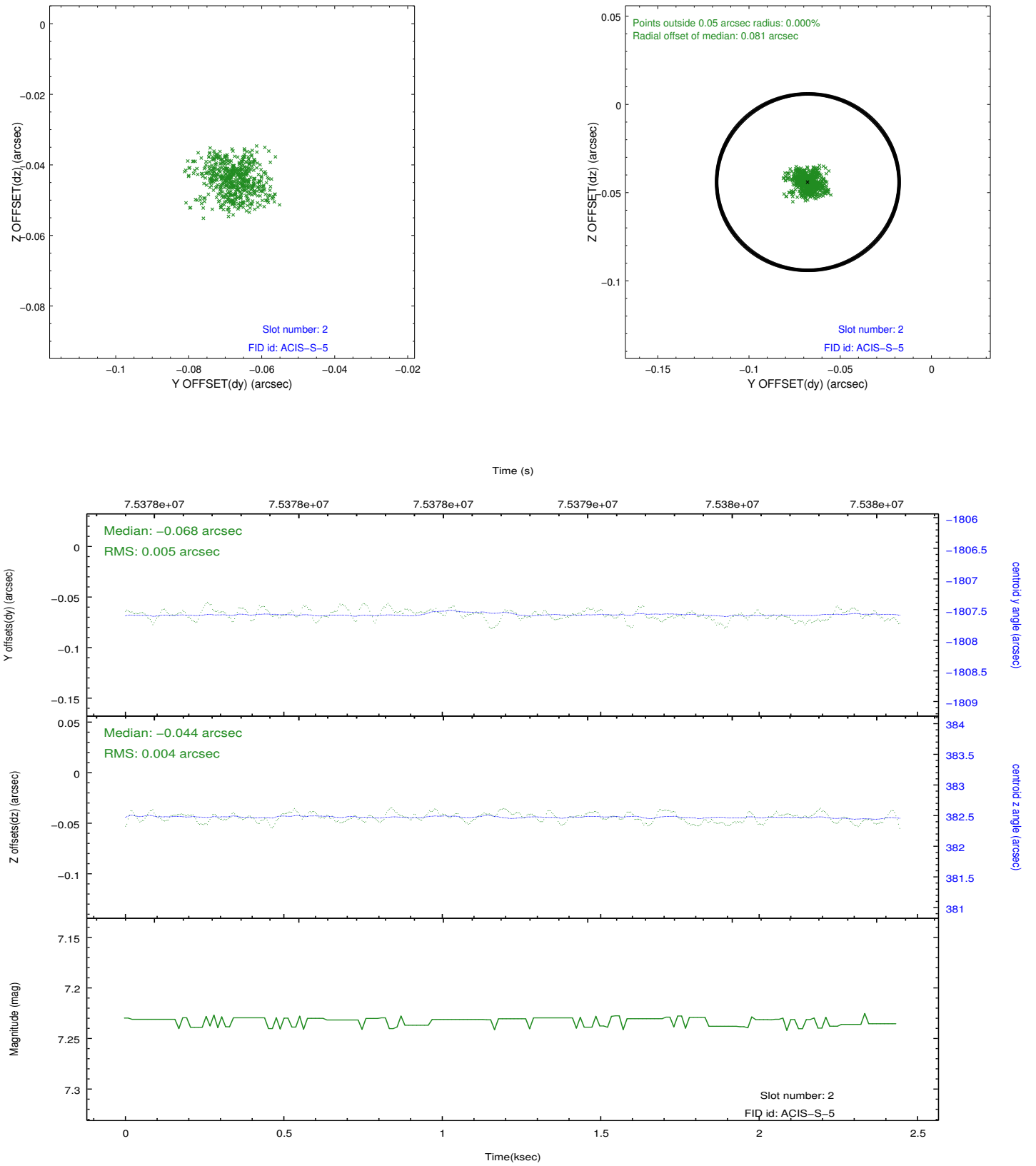
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.444

A.2 Comments

No grating in place though HETG was intended; source blocked via zero-order exclusion window. This obs had a commanding error which caused the grating to not be inserted. Hence, there is probably no useful scientific data. Possibly useful for cc-mode background.