

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 198 - L2 Version 4
Chandra X-Ray Center

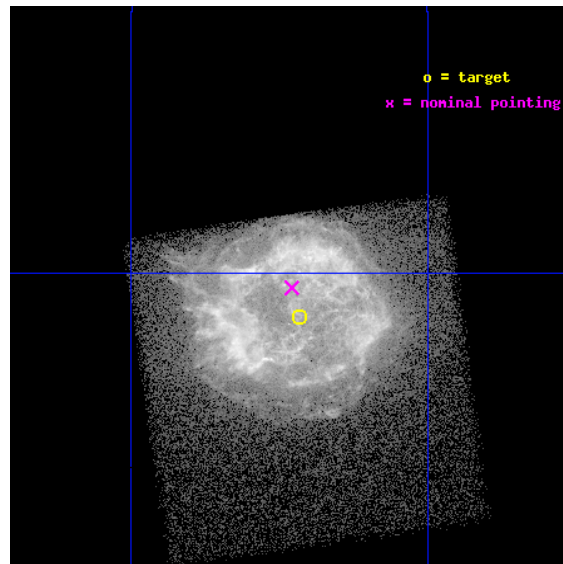
L2 Processing Date : Aug 28 2012

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1 Front

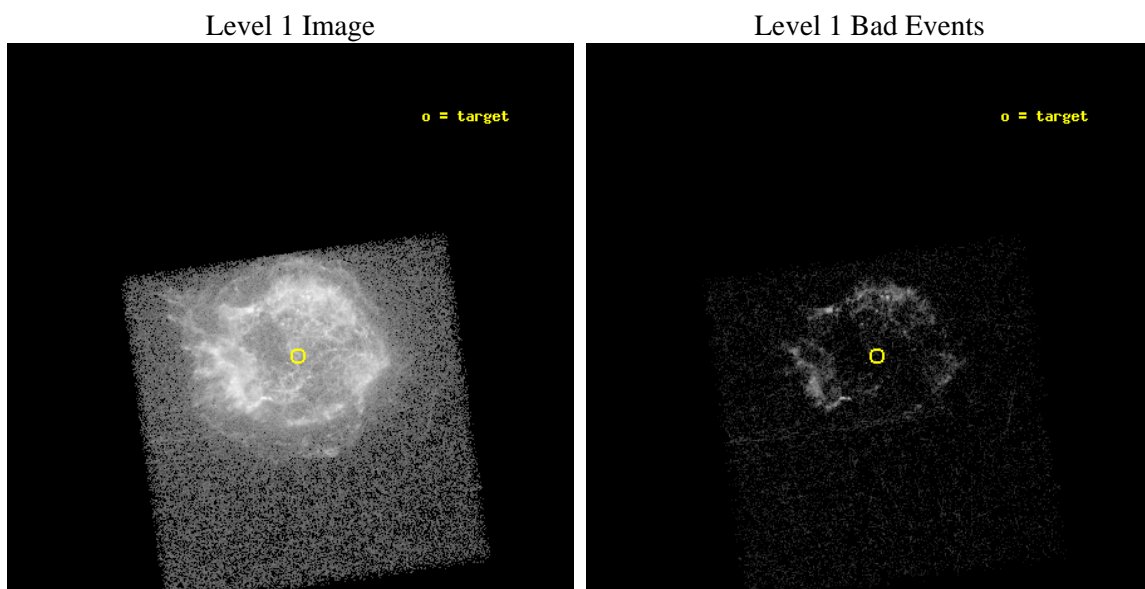
seq_num	590066	Sequence number
obs_id	198	Observation id
title	ACIS CHIP RESPONSE TO CAS A, JUL. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip S3, T=120, Offsets=0,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.86437546011	Nominal RA [deg]
dec_nom	58.827276853819	Nominal Dec [deg]
roll_nom	82.060654622385	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2515.0414997786	Sum of GTIs [s]
livetime	2483.1945299323	Livetime [s]
ontime4	4251.0685787052	Sum of GTIs [s]
ontime5	4811.7954089344	Sum of GTIs [s]
ontime6	4773.988394931	Sum of GTIs [s]
ontime7	2515.0414997786	Sum of GTIs [s]
ontime8	4808.4723687172	Sum of GTIs [s]
ontime9	4811.6722889394	Sum of GTIs [s]
l2events	793210	Number of level 2 events



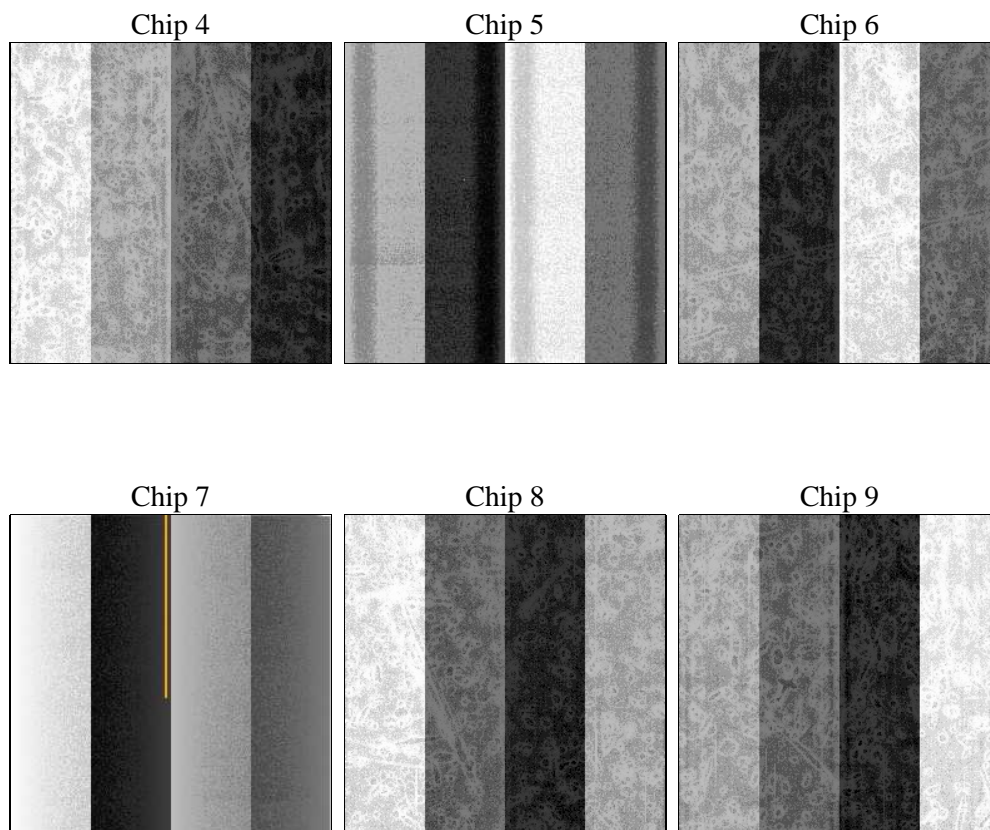
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2515.0414997786	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime4	4251.0685787052	Sum of GTIs [s]
date	2012-08-28T04:39:33	Date and time of file creation	ontime5	4811.7954089344	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	4773.988394931	Sum of GTIs [s]
			ontime7	2515.0414997786	Sum of GTIs [s]
			ontime8	4808.4723687172	Sum of GTIs [s]
			ontime9	4811.6722889394	Sum of GTIs [s]
			l1events	884961	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	0	884961	0	0
rejected events	0	0	0	85792	0	0
rejected %	0%	0%	0%	9%	0%	0%

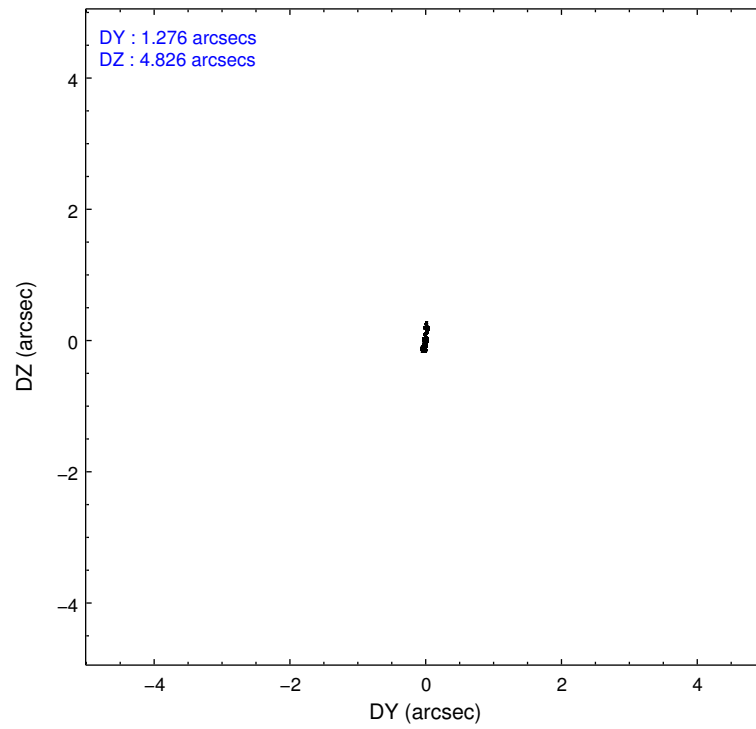
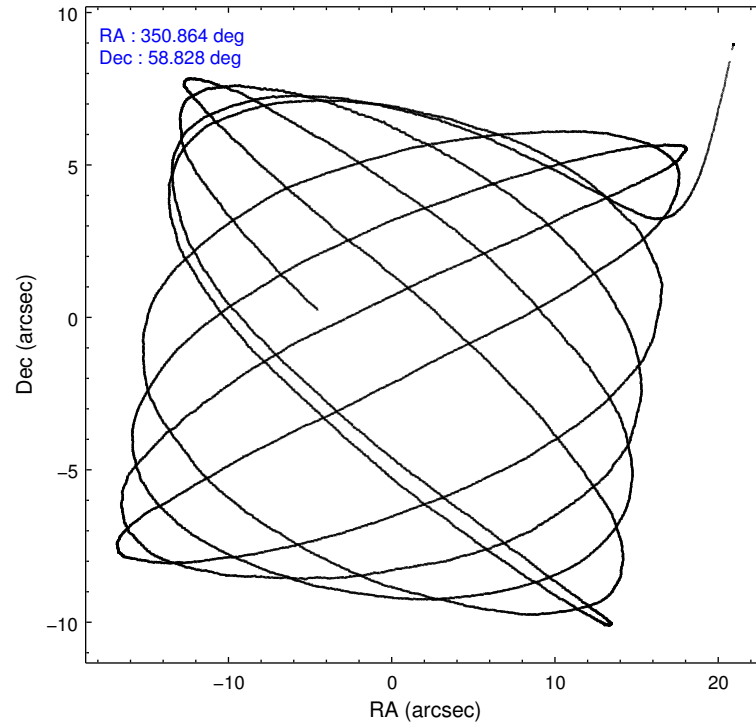
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	0	190997	0	0
	0%	0%	0%	21%	0%	0%
grade 1 events	0	0	0	4363	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	212911	0	0
	0%	0%	0%	24%	0%	0%
grade 3 events	0	0	0	95118	0	0
	0%	0%	0%	10%	0%	0%
grade 4 events	0	0	0	93671	0	0
	0%	0%	0%	10%	0%	0%
grade 5 events	0	0	0	17303	0	0
	0%	0%	0%	1%	0%	0%
grade 6 events	0	0	0	207413	0	0
	0%	0%	0%	23%	0%	0%
grade 7 events	0	0	0	63185	0	0
	0%	0%	0%	7%	0%	0%

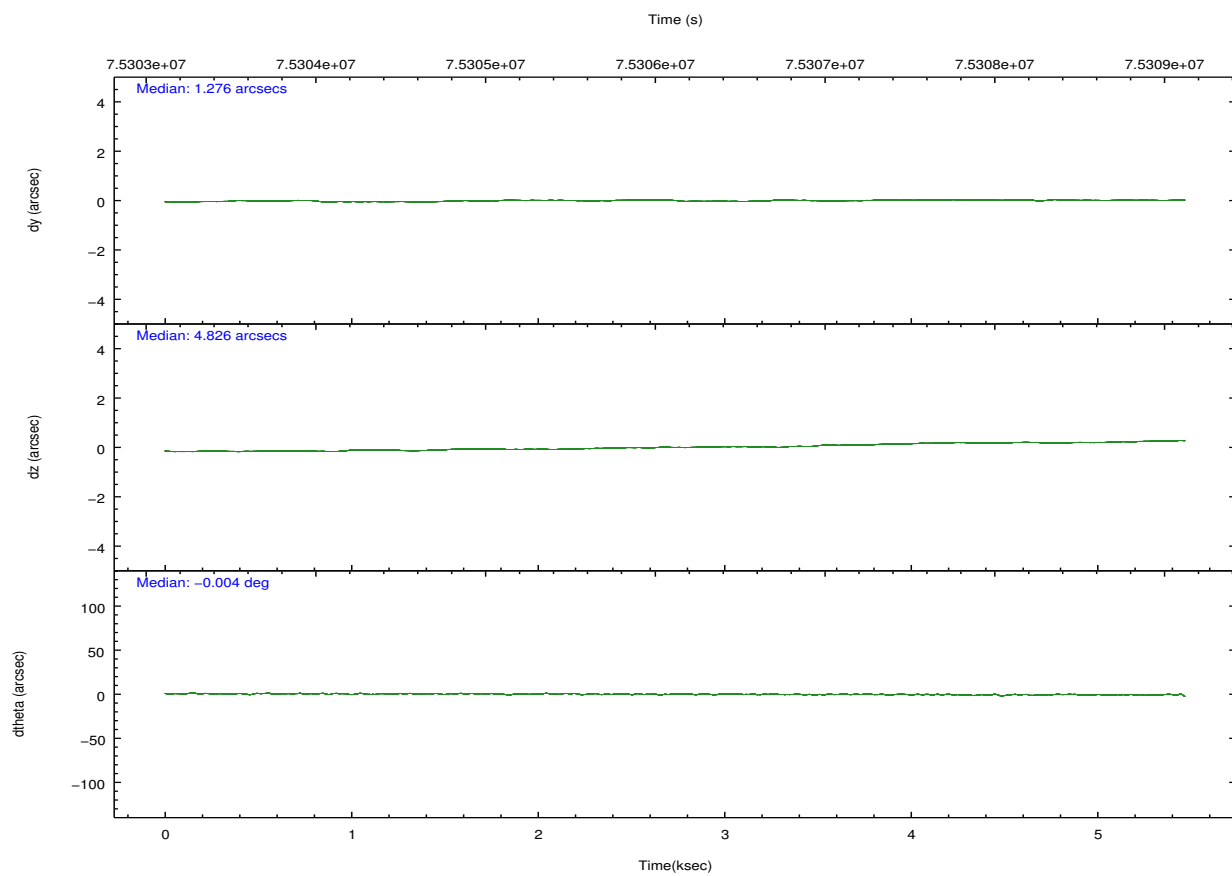
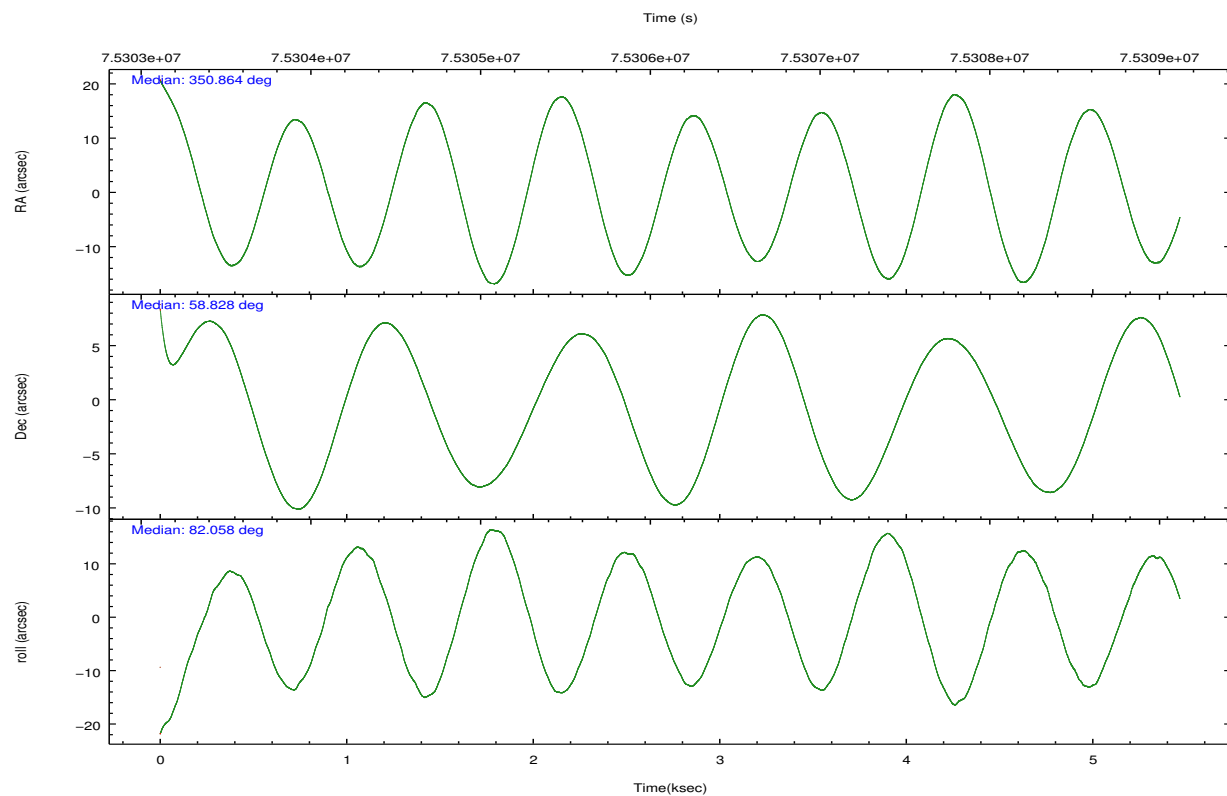
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	350.884455	350.8643754601119
[deg] Pointing Dec	58.801730	58.82727685381886
[deg] Pointing Roll	81.886858	82.06065462238456
[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)	75303851.184000	75302755.561087
Observation start date	2000-05-21T13:43:07	2000-05-21T13:25:55
[s] Observation end time (MET)	75308851.184000	75309288.911327
Observation end date	2000-05-21T15:06:27	2000-05-21T15:14:48
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	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



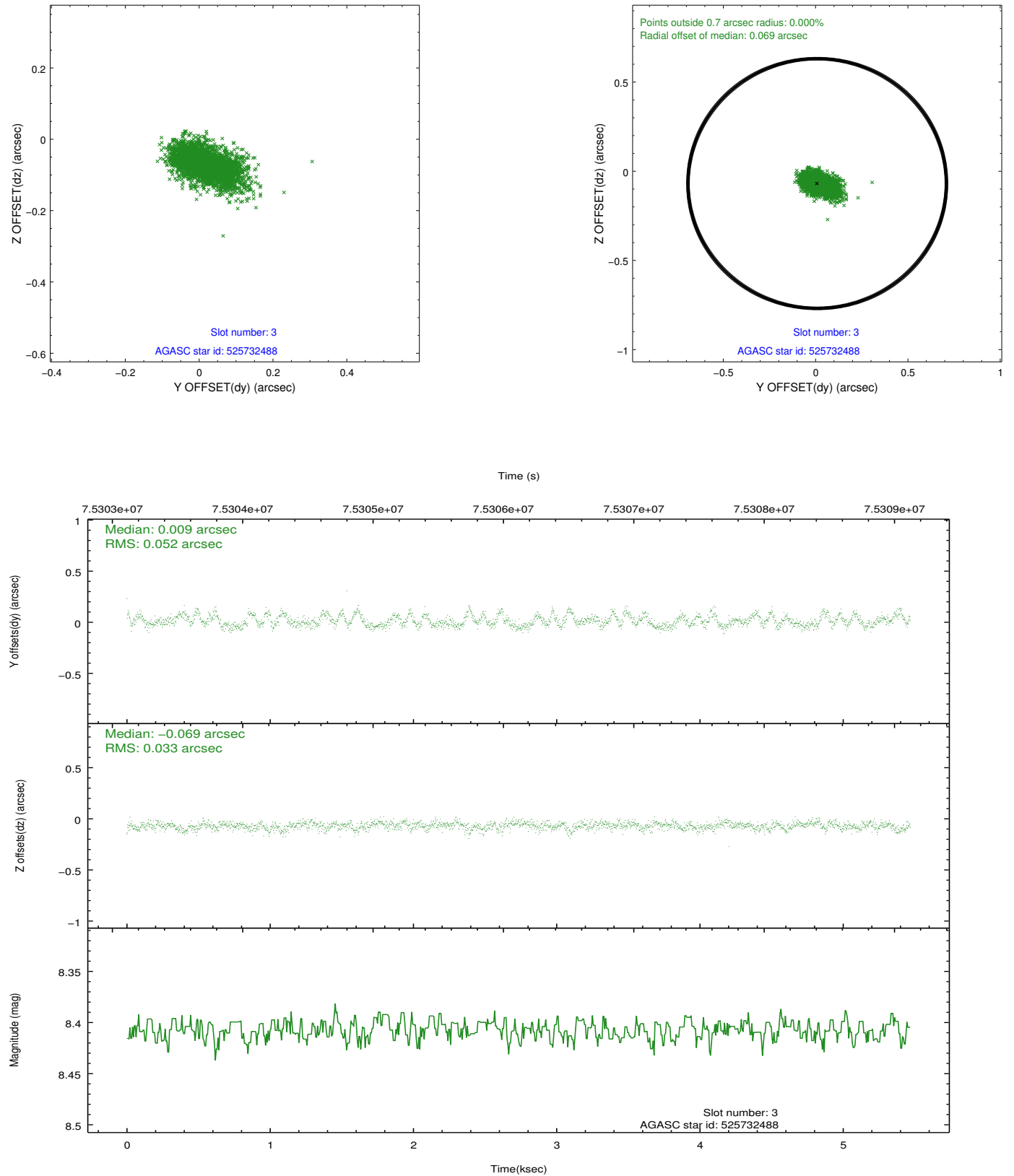


Slot Statistics

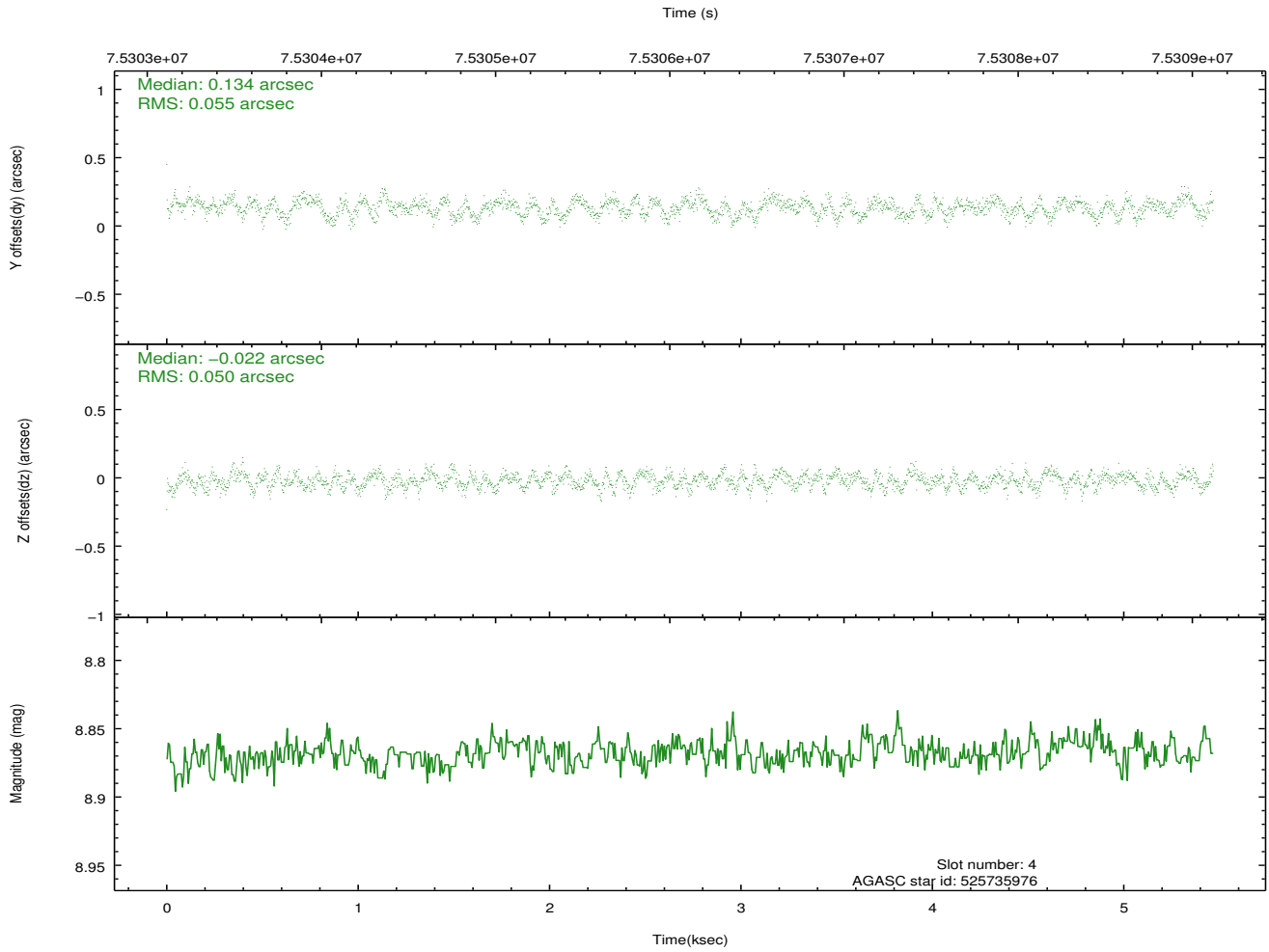
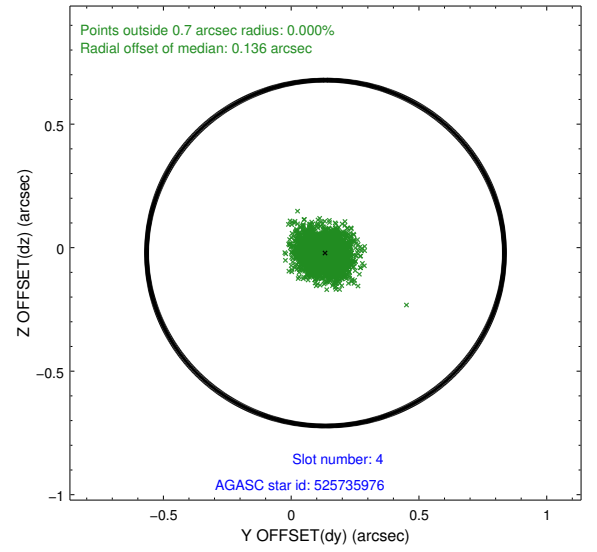
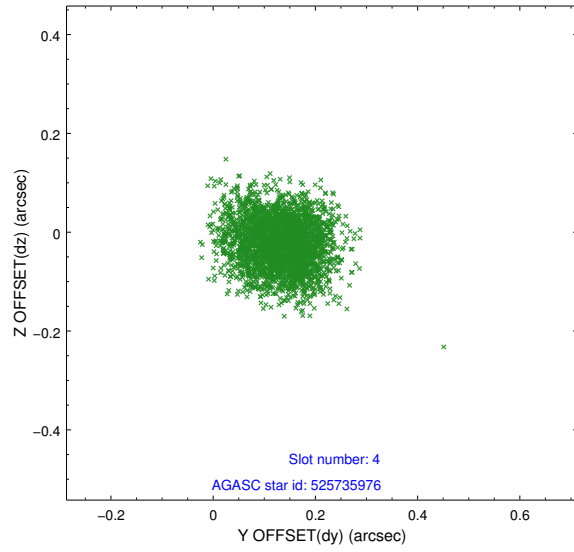
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1334	-0.033	-0.002	0.007	0.012	0.000000	0.000000	-753.90	-1725.95
1	FID	ACIS-S-4	7.21	1334	-0.001	0.016	0.005	0.010	0.000000	0.000000	2158.92	181.42
2	FID	ACIS-S-5	7.23	1334	0.003	-0.005	0.007	0.013	0.000000	0.000000	-1805.29	176.32
3	GUIDE	525732488	8.41	2668	0.009	-0.069	0.063	0.107	350.087090	58.516915	-1218.62	1340.21
4	GUIDE	525735976	8.87	2666	0.134	-0.022	0.080	0.126	350.142956	58.277622	-2059.47	1124.44
5	GUIDE	525732528	9.37	2665	-0.074	-0.006	0.098	0.155	351.607241	59.298932	1965.09	-1061.37
6	GUIDE	525737208	9.38	2666	-0.085	0.071	0.089	0.145	351.154109	59.407897	2230.99	-181.52
7	GUIDE	525734296	9.50	2666	0.012	0.025	0.078	0.126	351.276372	58.418153	-1260.50	-926.52

2.4 Star Slots

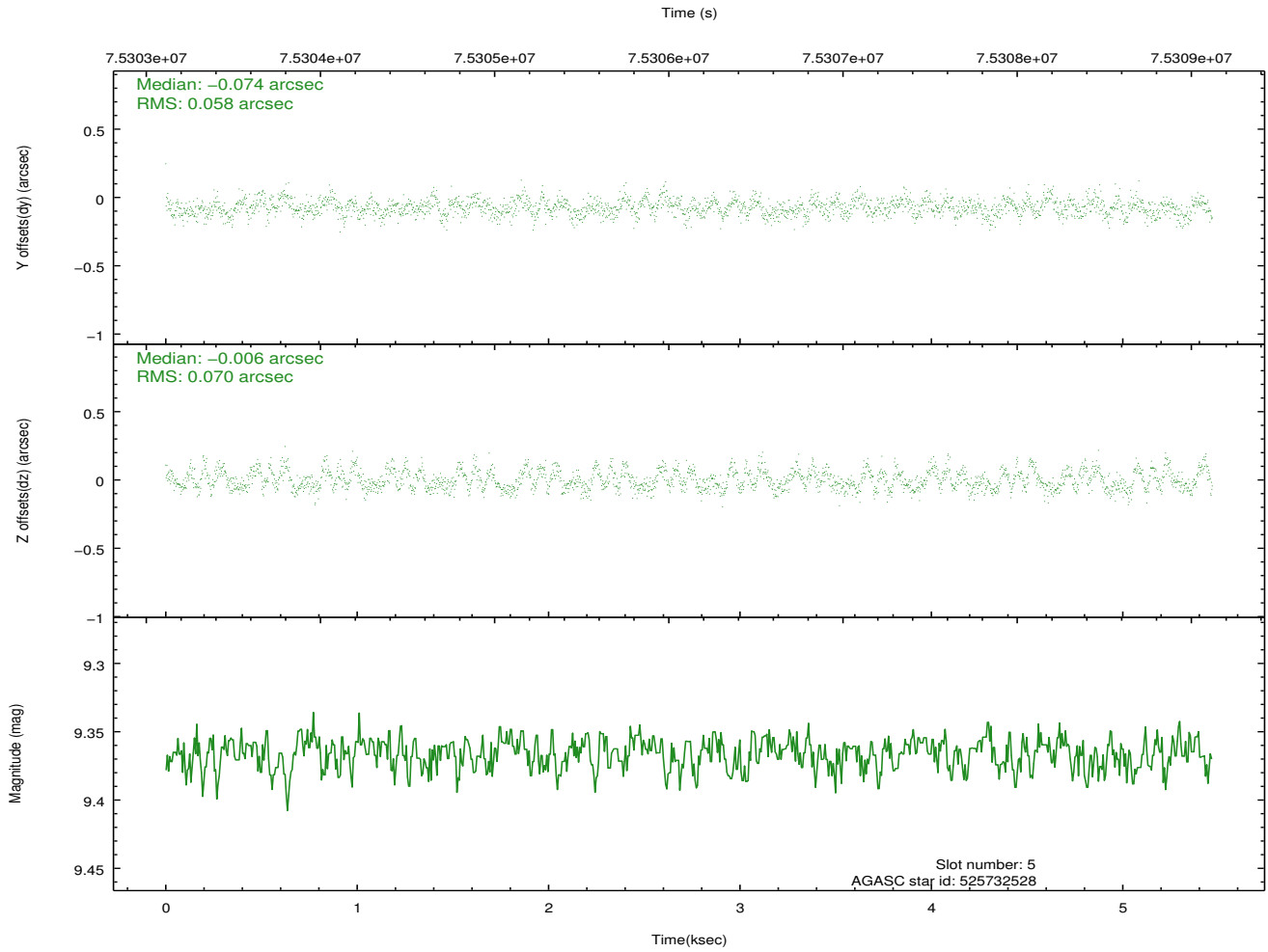
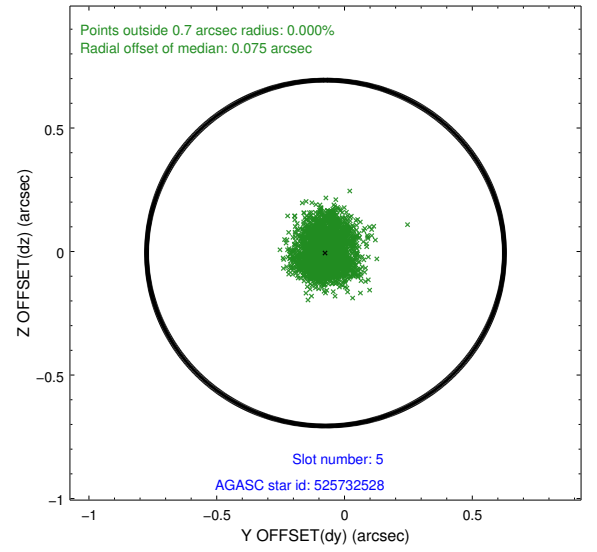
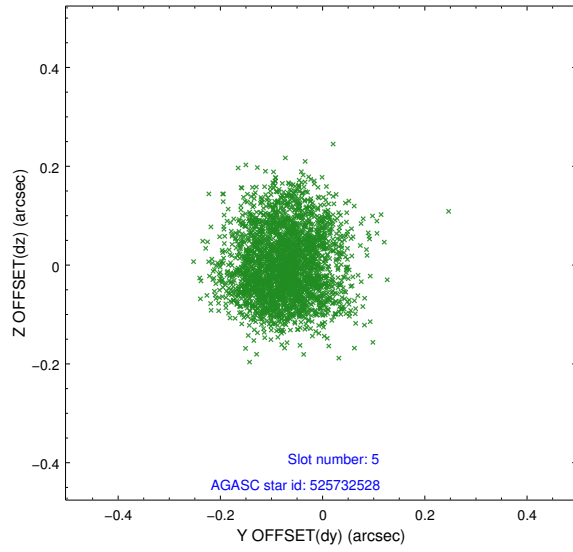
2.4.1 Slot 3



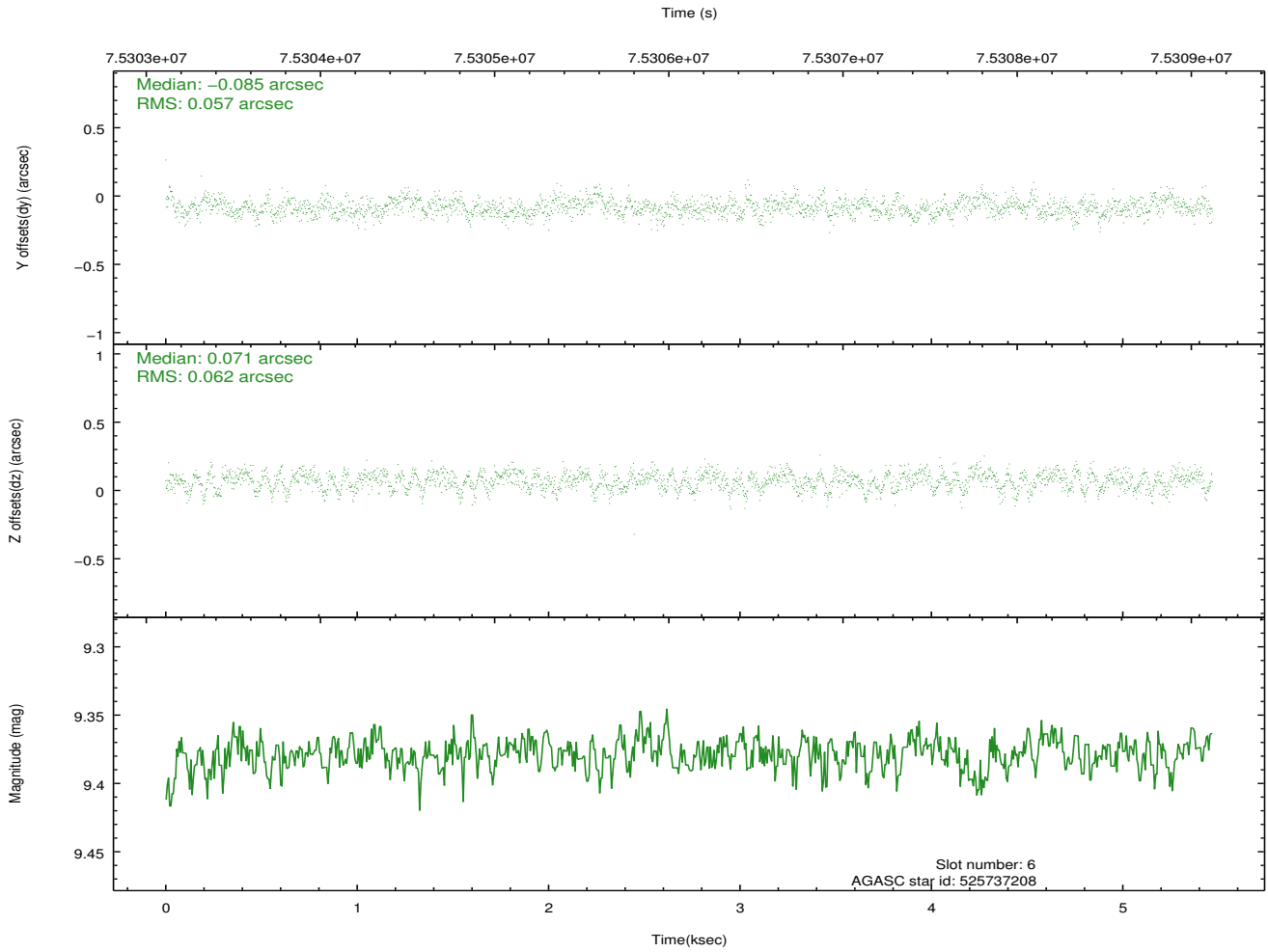
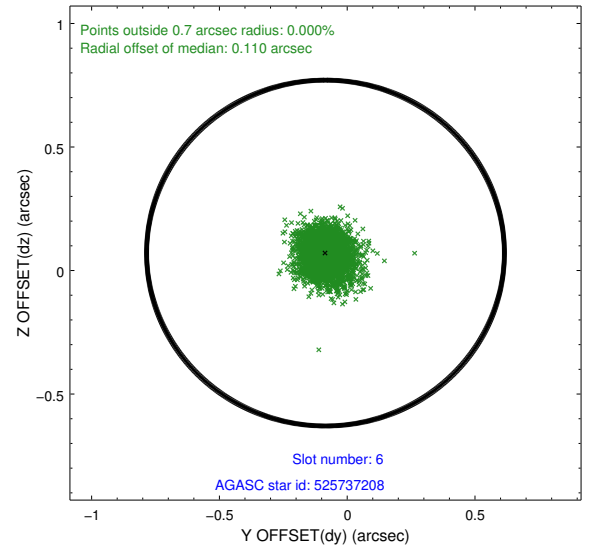
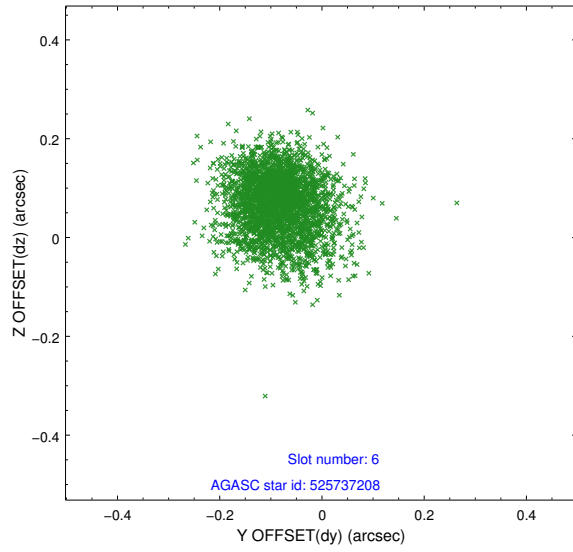
2.4.2 Slot 4



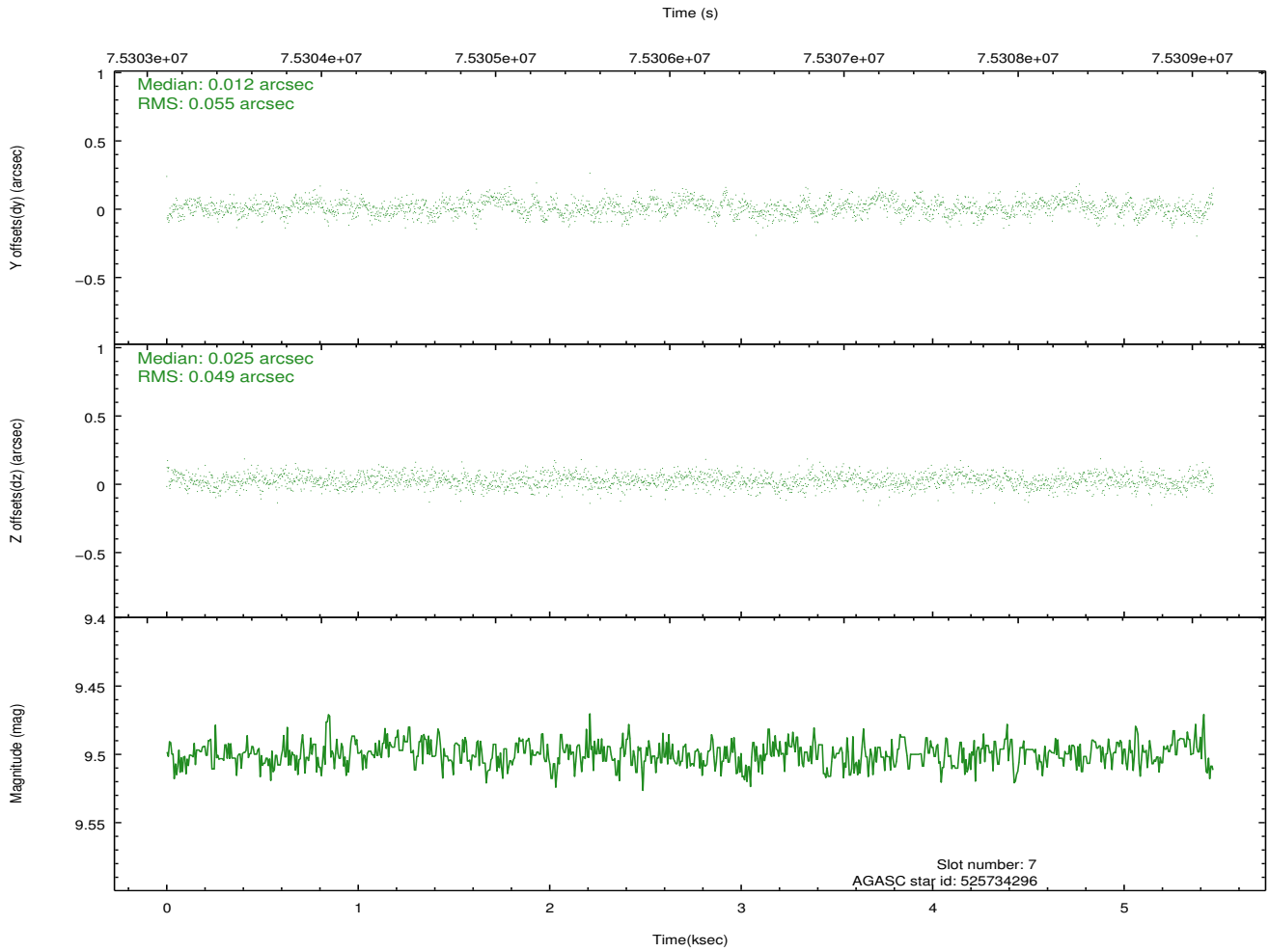
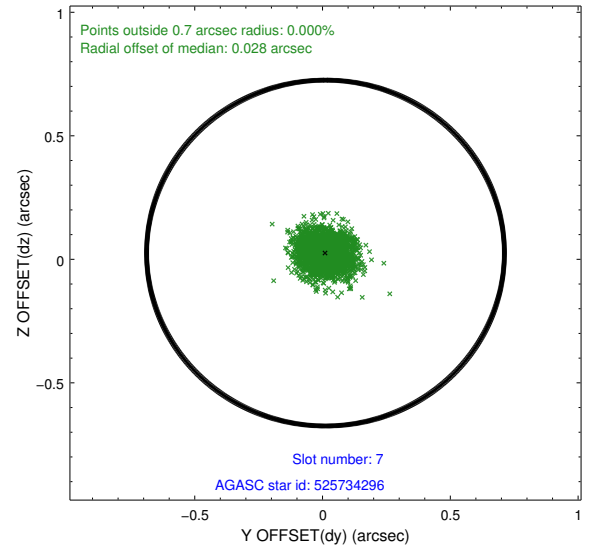
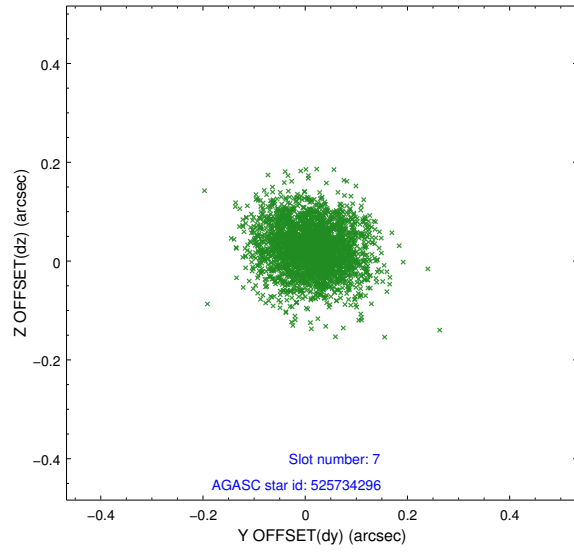
2.4.3 Slot 5



2.4.4 Slot 6

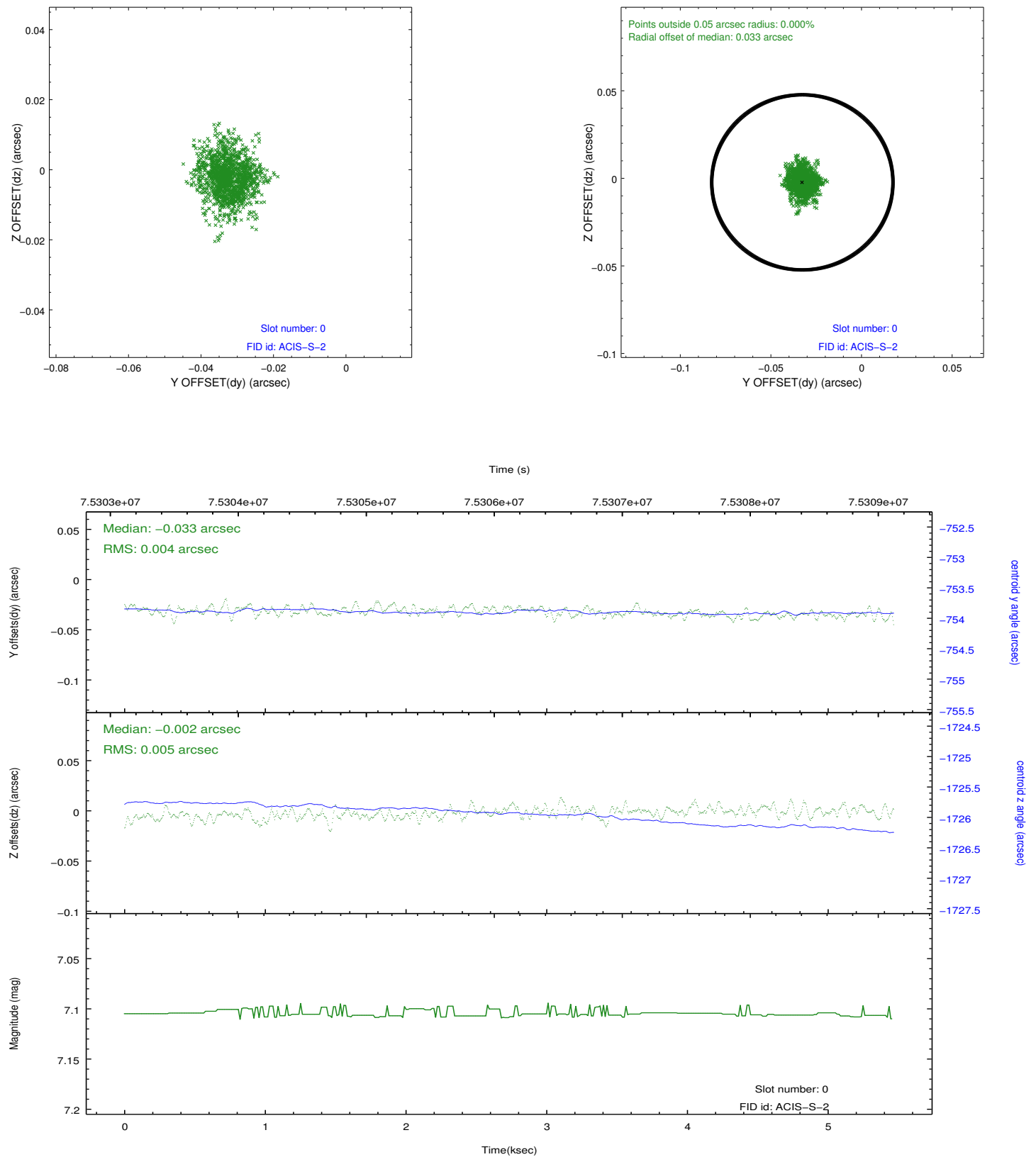


2.4.5 Slot 7

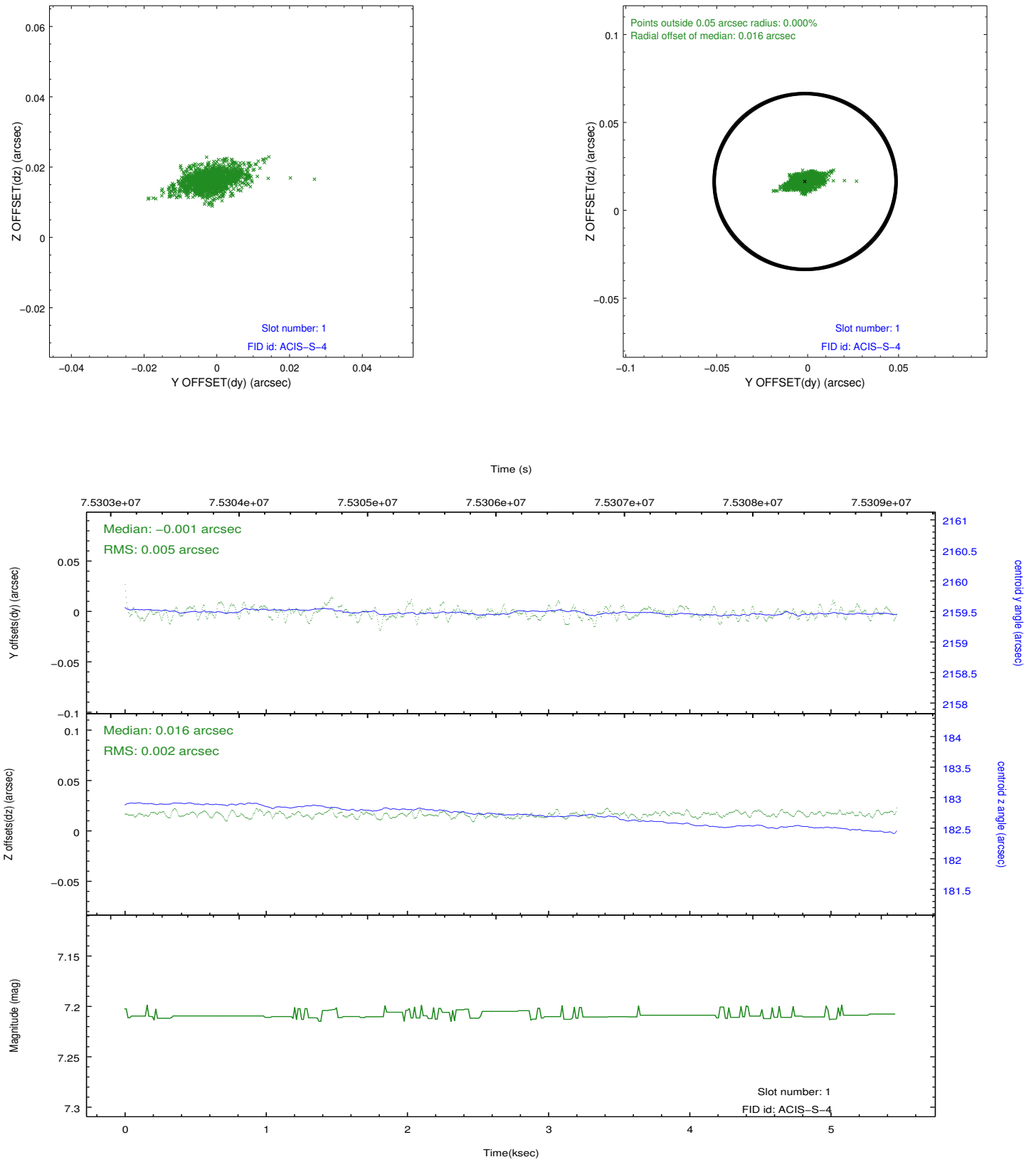


2.5 FID Slots

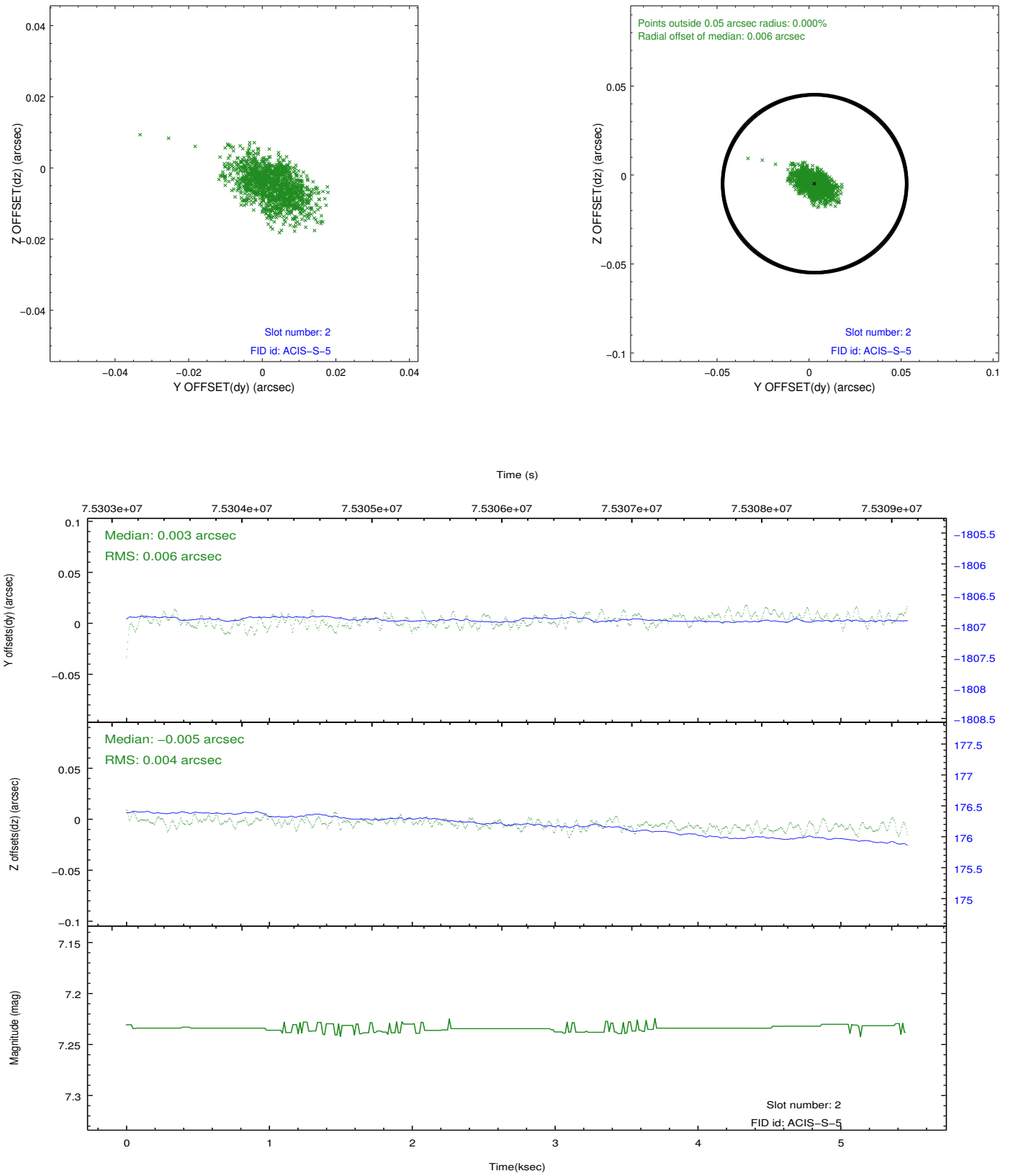
2.5.1 Slot 0



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)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.541

A.2 Comments

Charge time for this ObsId remains at previous value of 2.541 ks although with the current processing the charge time would have been 2.515 ksec.