

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9330 - L2 Version 2
Chandra X-Ray Center

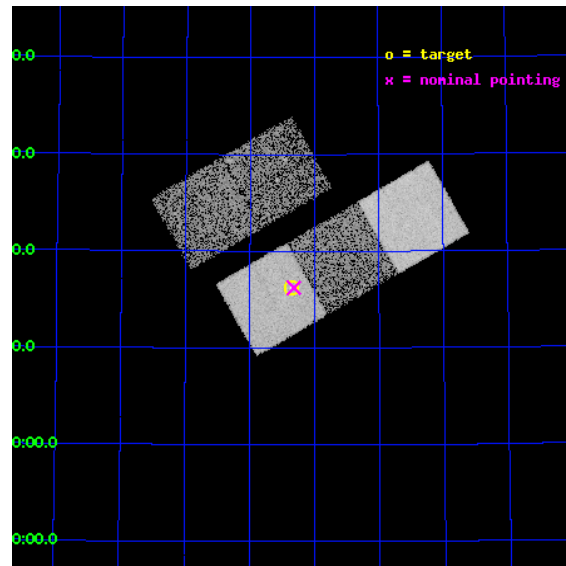
L2 Processing Date : May 12 2012

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

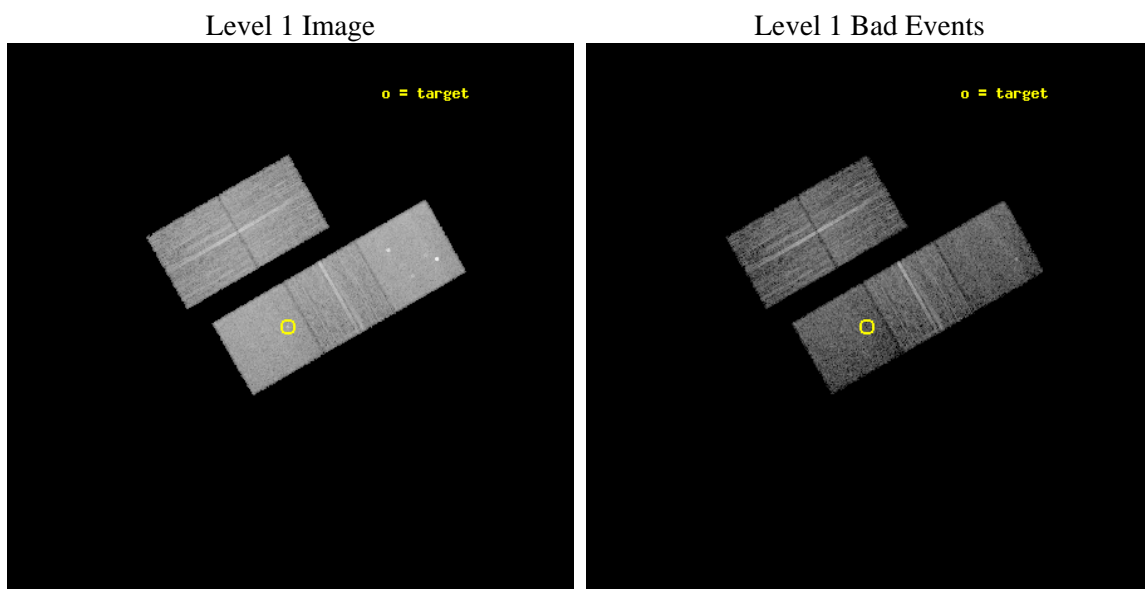
seq_num	701770	Sequence number
obs_id	9330	Observation id
title	Towards a Complete Sample: 3CR Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	222.340833	Observer's specified target RA [deg]
dec_targ	63.270583	Observer's specified target Dec [deg]
ra_nom	222.3298580361	Nominal RA [deg]
dec_nom	63.270435383411	Nominal Dec [deg]
roll_nom	150.1664032087	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8326.6000640392	Sum of GTIs [s]
livetime	8217.8069042488	Livetime [s]
ontime2	8326.6000640392	Sum of GTIs [s]
ontime3	8326.6000640392	Sum of GTIs [s]
ontime5	8326.6000640392	Sum of GTIs [s]
ontime6	8323.4590937495	Sum of GTIs [s]
ontime7	8326.6000640392	Sum of GTIs [s]
l2events	91219	Number of level 2 events



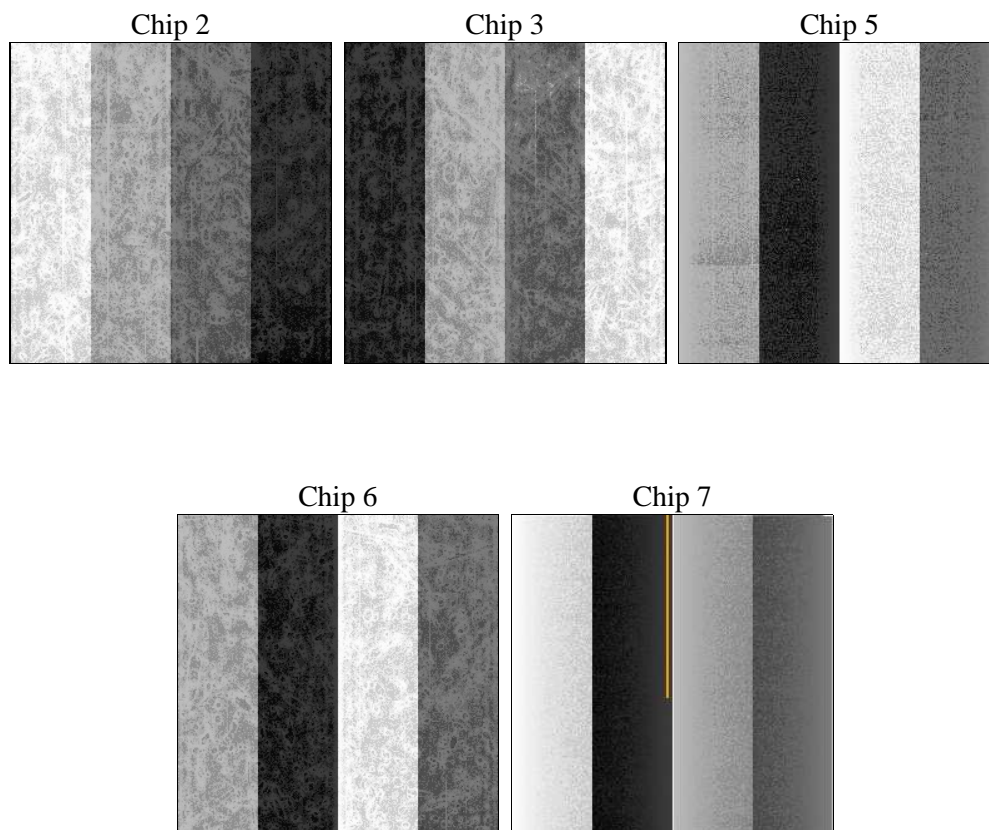
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8154.531000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8326.6000640392	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	8326.6000640392	Sum of GTIs [s]
date	2012-05-12T13:42:28	Date and time of file creation	ontime3	8326.6000640392	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8326.6000640392	Sum of GTIs [s]
			ontime6	8323.4590937495	Sum of GTIs [s]
			ontime7	8326.6000640392	Sum of GTIs [s]
			l1events	372106	Number of level 1 events

2.1.4 Events

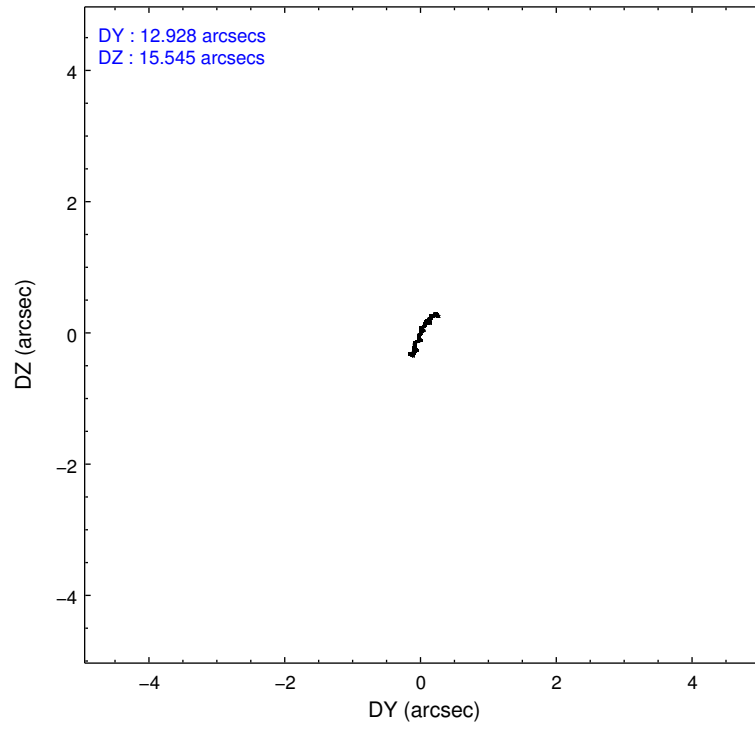
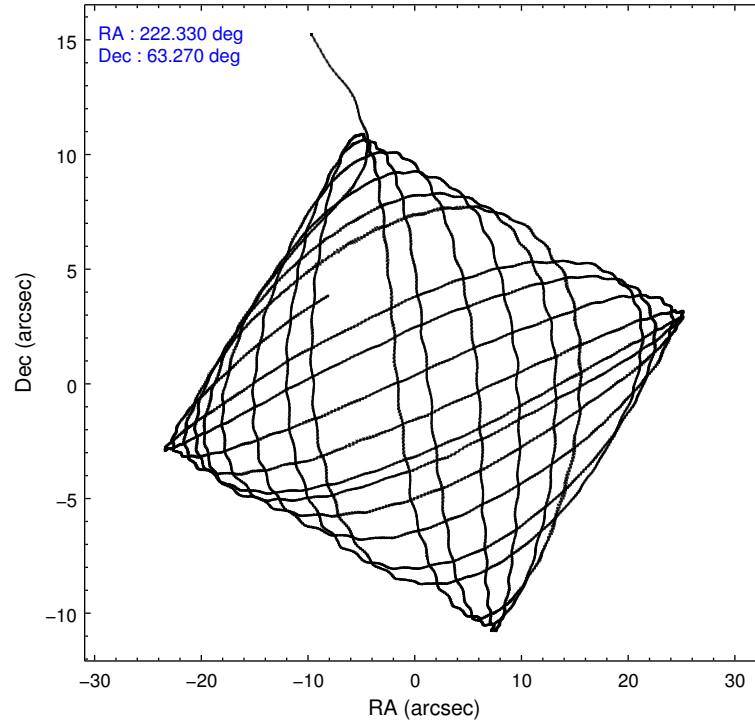
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	68632	64880	96049	66679	75866
rejected events	62192	58947	49202	59824	42430
rejected %	90%	90%	51%	89%	55%

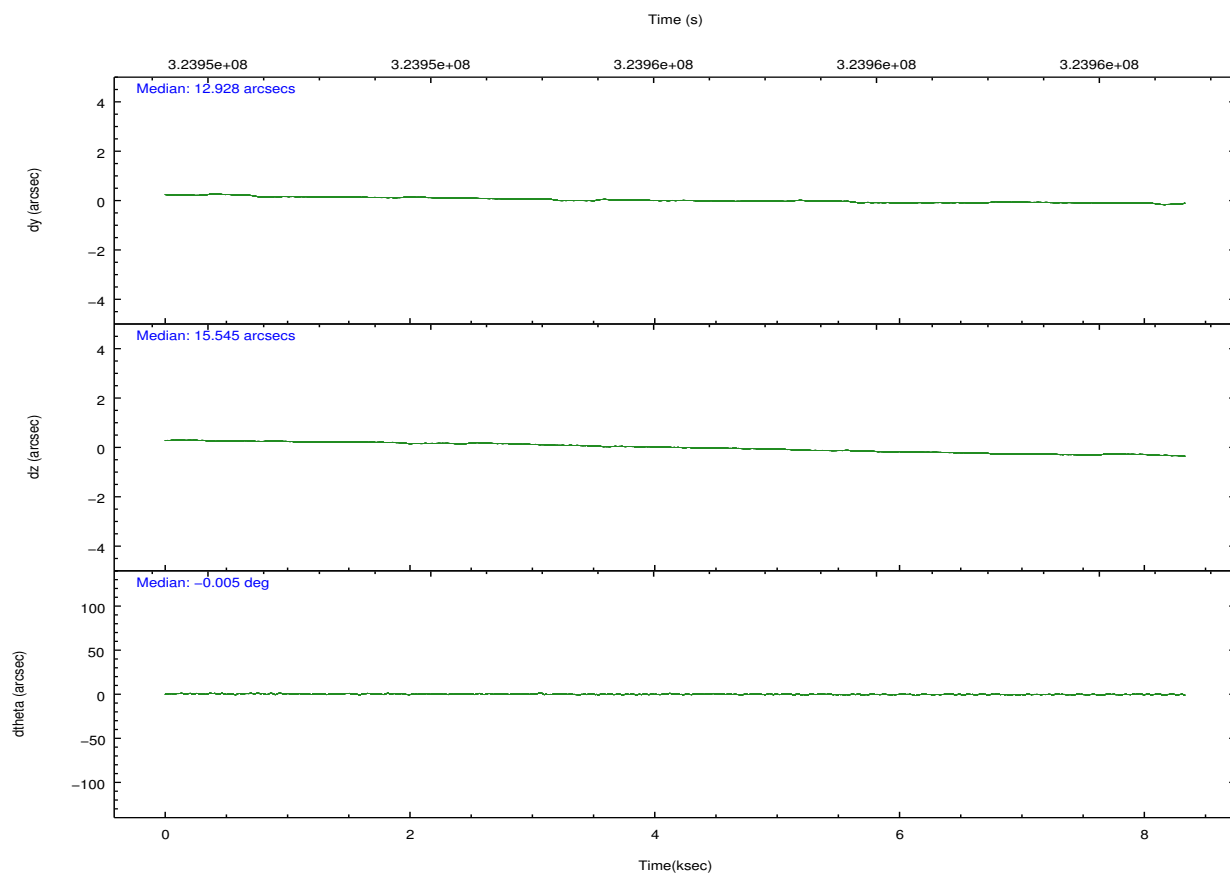
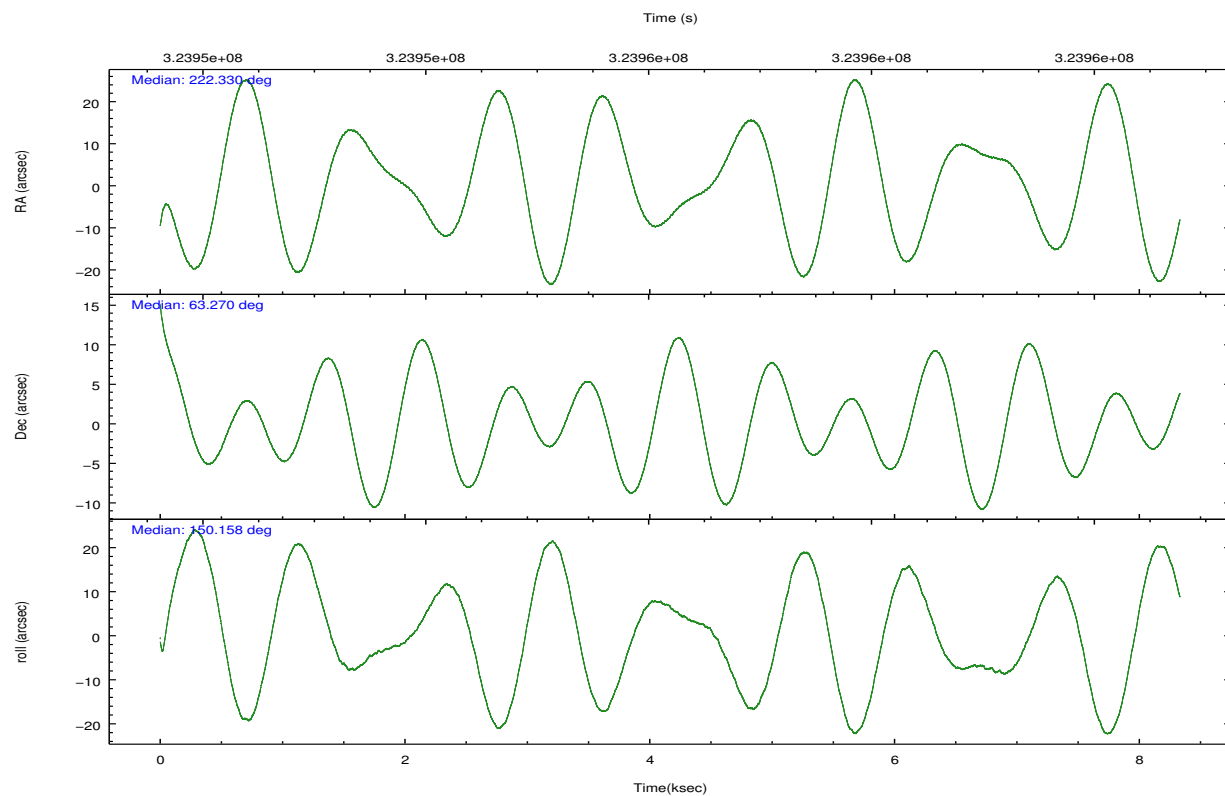
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2379	2176	5089	2466	3377
	3%	3%	5%	3%	4%
grade 1 events	29	30	218	31	99
	0%	0%	0%	0%	0%
grade 2 events	1558	1423	15431	1606	7006
	2%	2%	16%	2%	9%
grade 3 events	695	694	1948	751	3195
	1%	1%	2%	1%	4%
grade 4 events	739	638	1908	773	3106
	1%	0%	1%	1%	4%
grade 5 events	2244	2852	7515	2784	8144
	3%	4%	7%	4%	10%
grade 6 events	1303	1221	24197	1524	17920
	1%	1%	25%	2%	23%
grade 7 events	59685	55846	39743	56744	33019
	86%	86%	41%	85%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	222.390848	222.3298580361022	CCD I2 on	Y	Y
[deg] Pointing Dec	63.270865	63.27043538341096	CCD I3 on	Y	Y
[deg] Pointing Roll	149.955332	150.1664032086996	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	323952210.184000	323951066.0741	CCD S5 on	N	N
Observation start date	2008-04-07T10:42:25	2008-04-07T10:24:26	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	323960364.184000	323960589.86206	On-chip summing requested	N	N
Observation end date	2008-04-07T12:58:19	2008-04-07T13:03:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



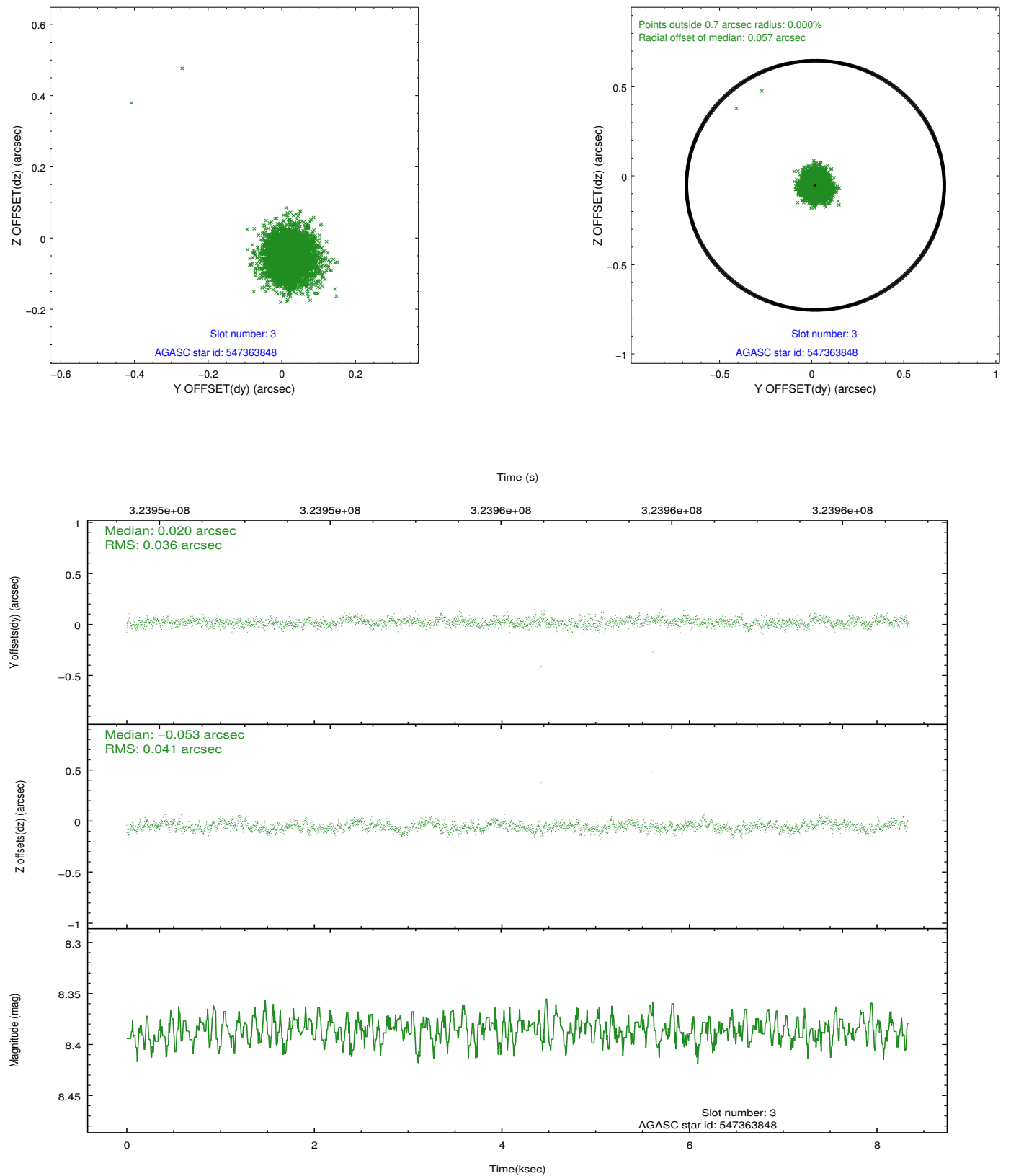


Slot Statistics

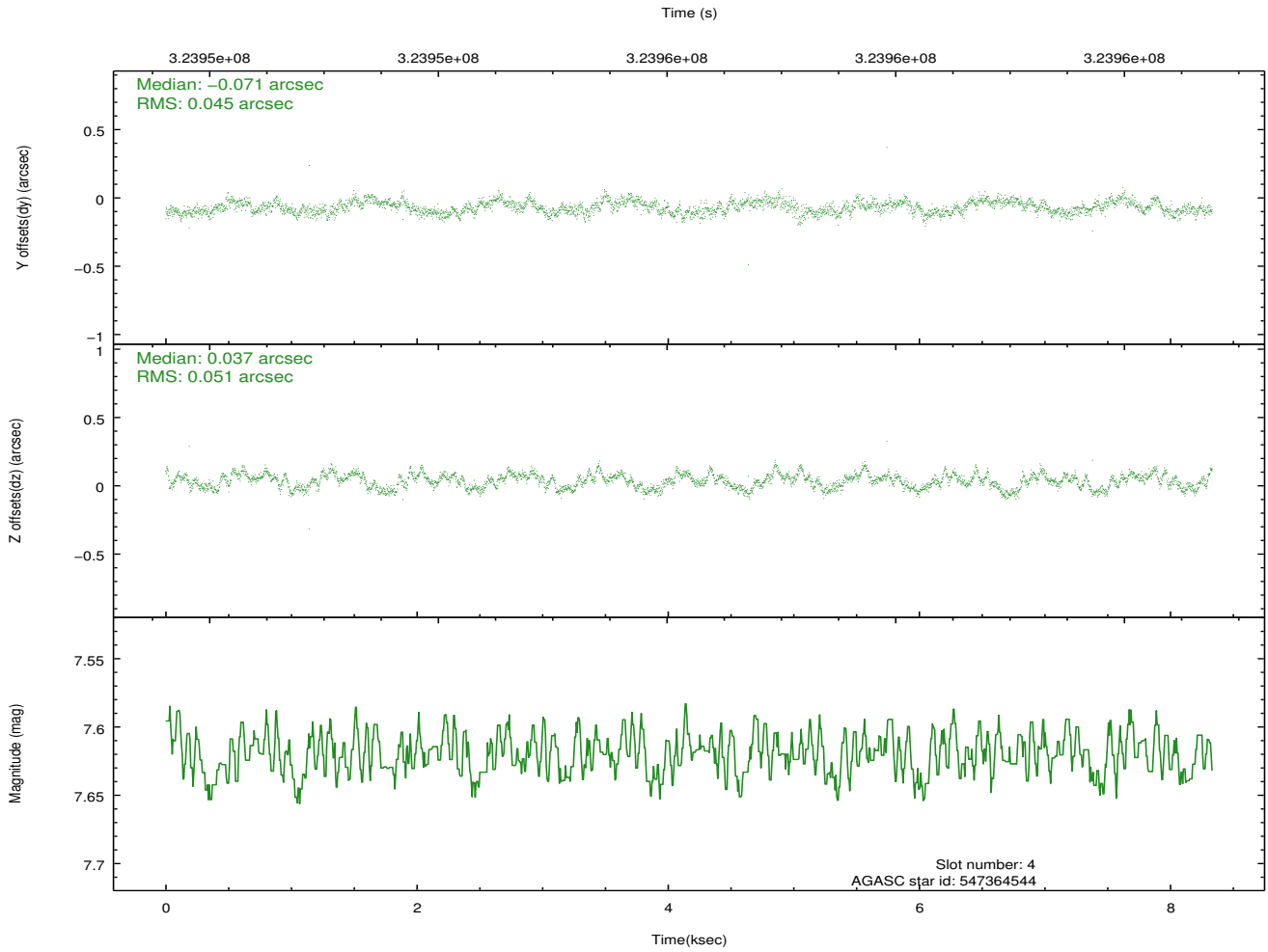
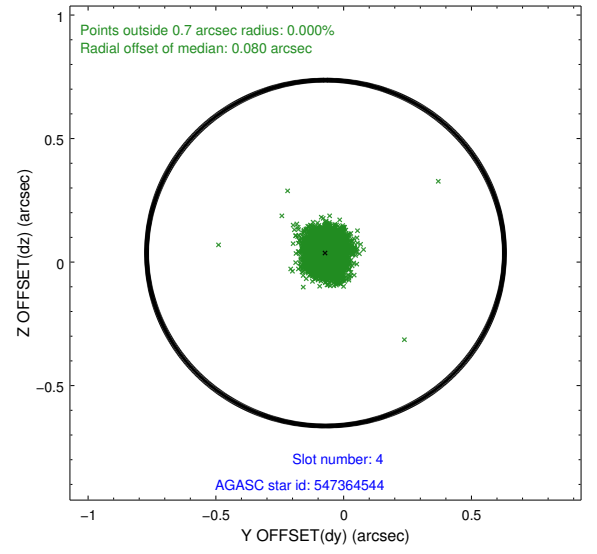
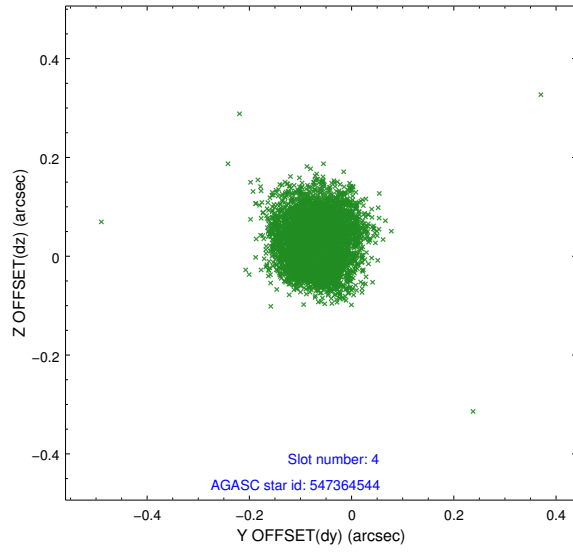
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2033	-0.054	-0.024	0.007	0.012	0.000000	0.000000	-765.89	-1736.91
1	FID	ACIS-S-4	7.19	2033	0.166	0.032	0.007	0.013	0.000000	0.000000	2147.27	170.98
2	FID	ACIS-S-5	7.22	2033	-0.144	0.000	0.009	0.015	0.000000	0.000000	-1818.00	165.31
3	GUIDE	547363848	8.39	4066	0.020	-0.053	0.056	0.092	221.091689	63.102076	1538.03	1566.82
4	GUIDE	547364544	7.62	4065	-0.071	0.037	0.073	0.109	222.089344	63.725067	1235.66	-1175.04
5	GUIDE	548283296	8.90	4064	-0.015	-0.046	0.089	0.145	223.056937	63.646142	-241.80	-1707.52
6	GUIDE	547364928	9.19	4062	0.119	0.025	0.091	0.151	221.989054	63.708170	1343.97	-1043.88
7	GUIDE	547365904	7.62	4065	-0.054	0.044	0.073	0.109	222.728028	62.780448	-1363.83	1248.71

2.4 Star Slots

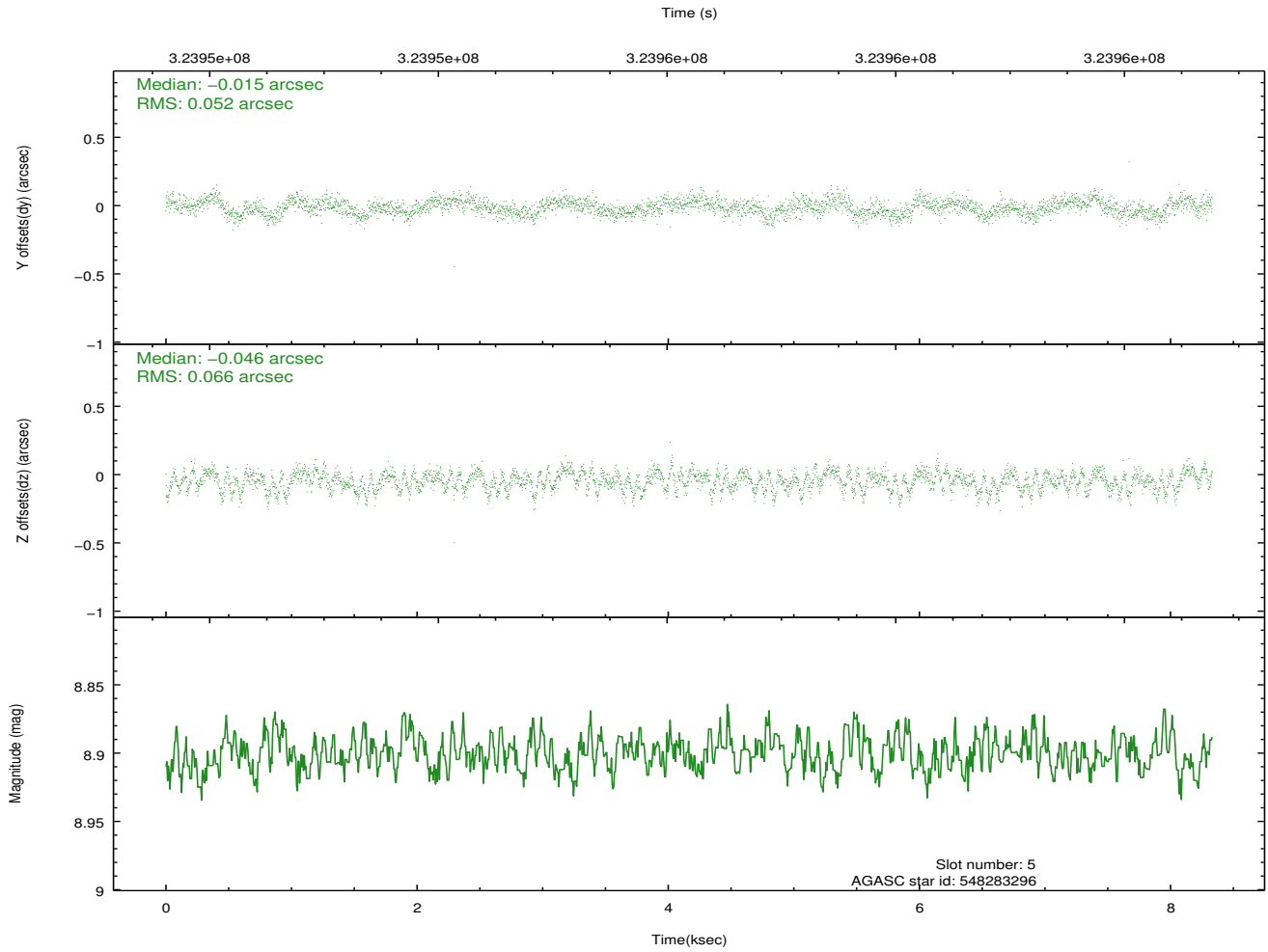
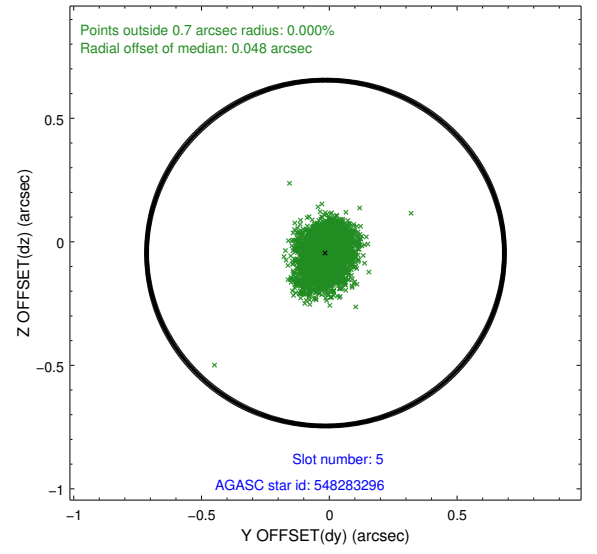
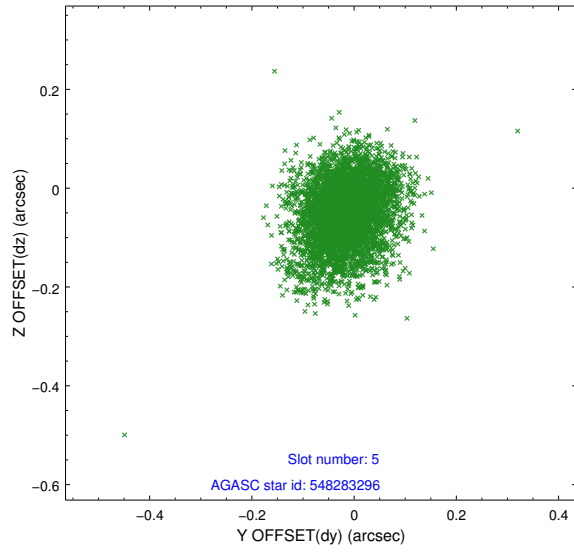
2.4.1 Slot 3



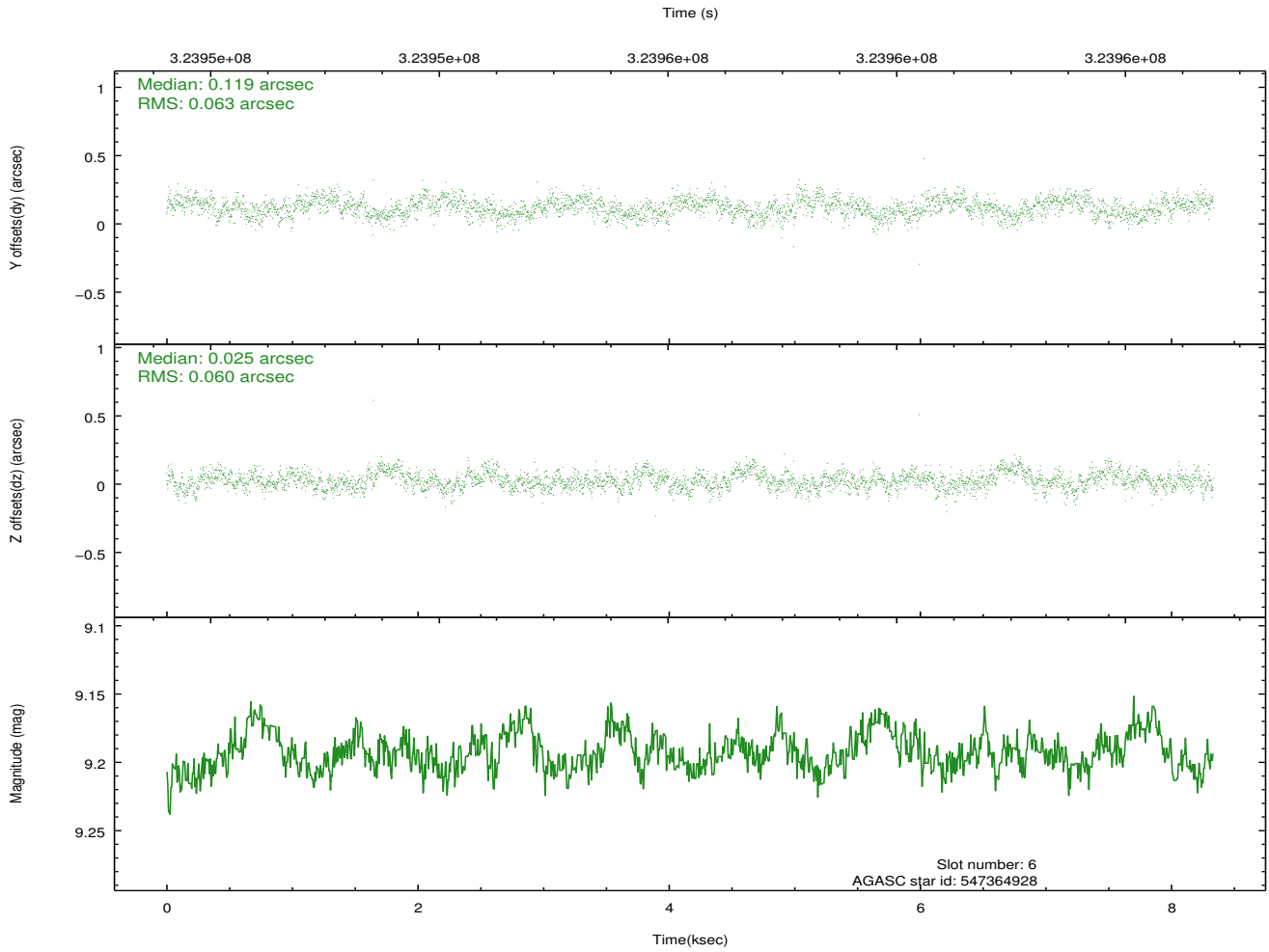
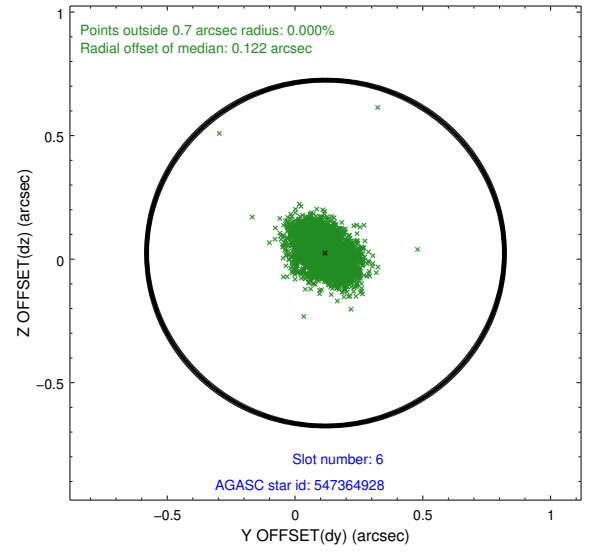
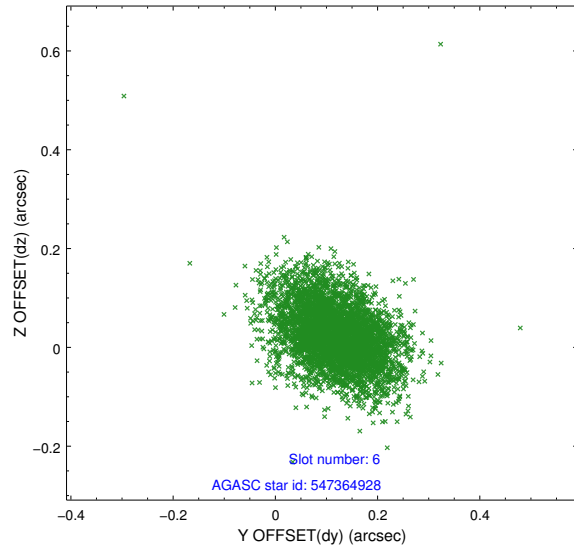
2.4.2 Slot 4



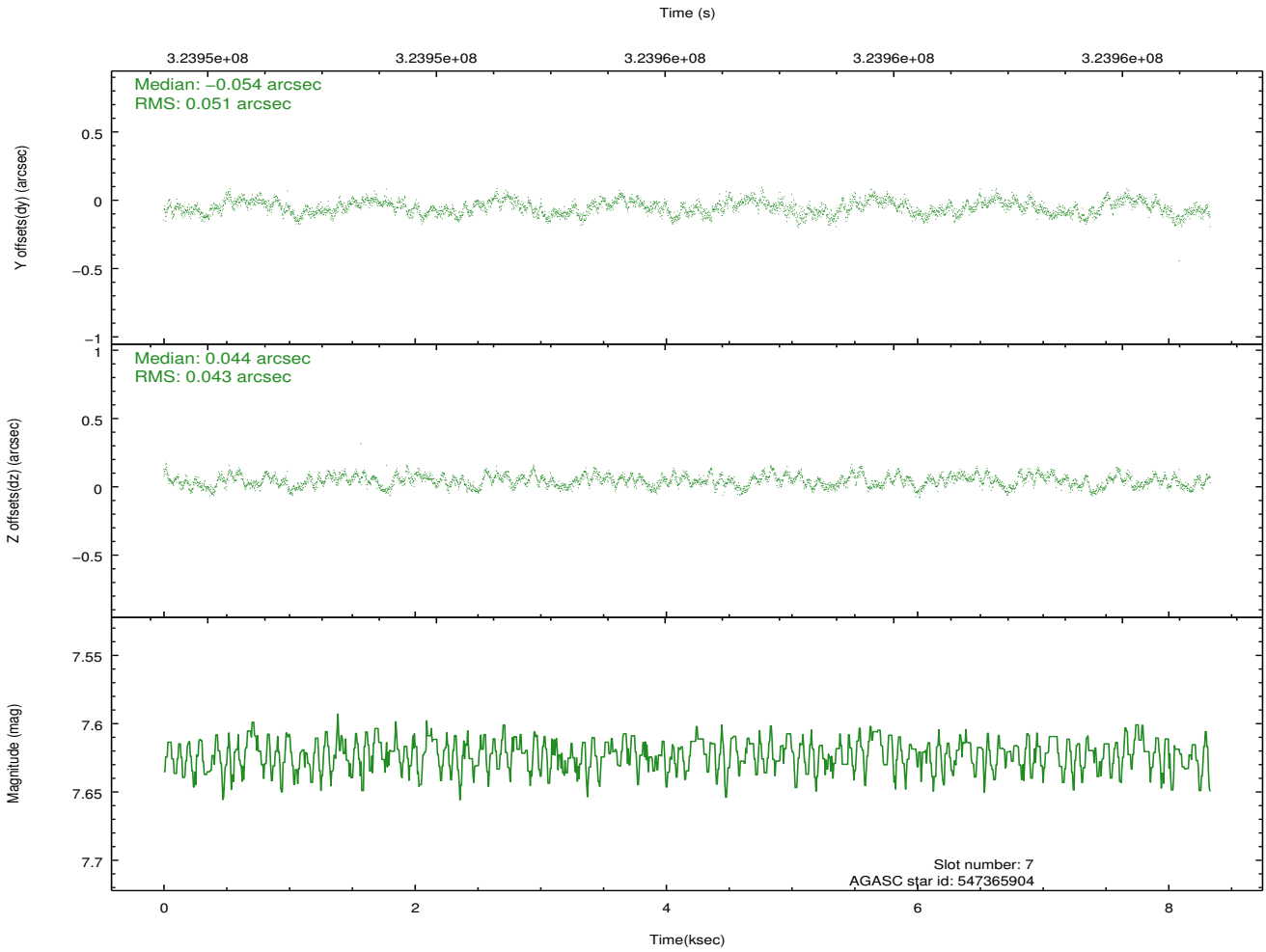
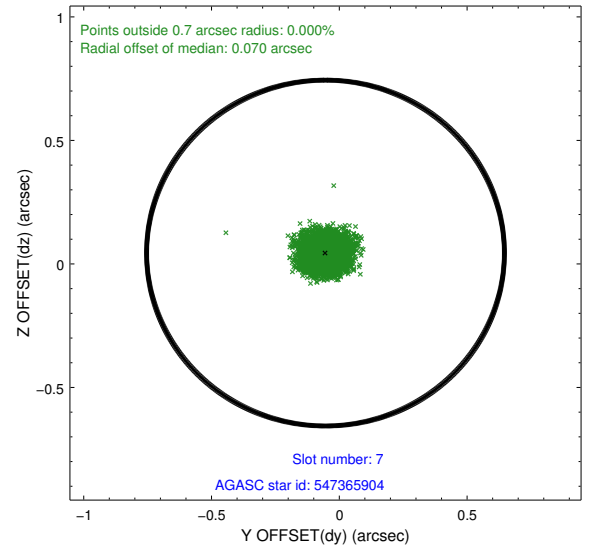
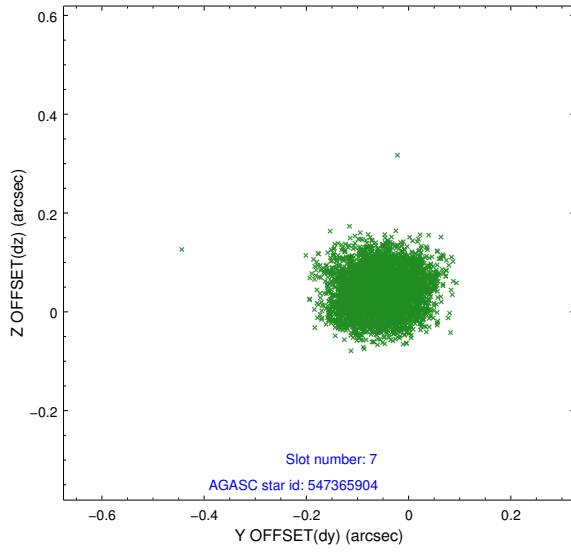
2.4.3 Slot 5



2.4.4 Slot 6

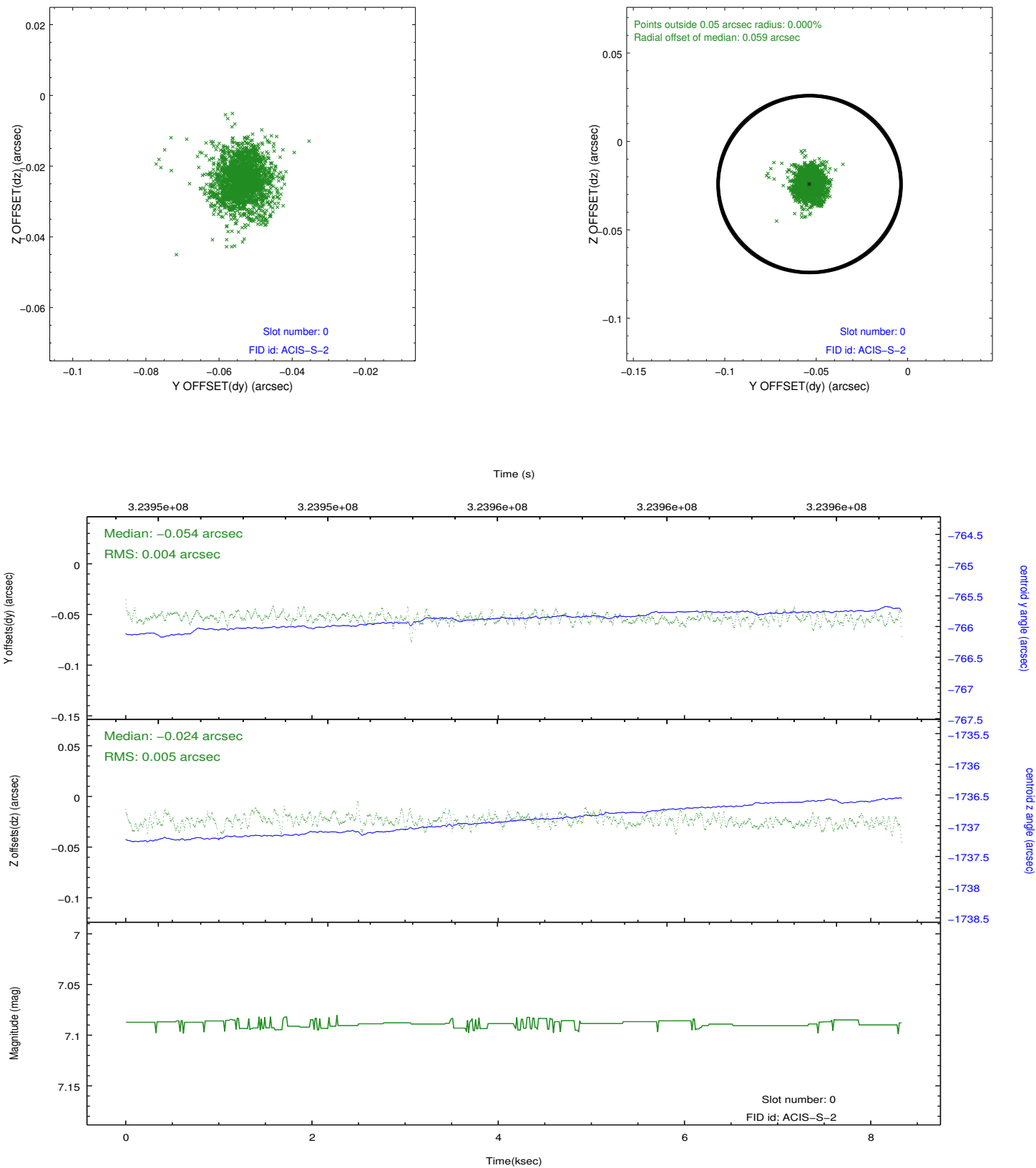


2.4.5 Slot 7

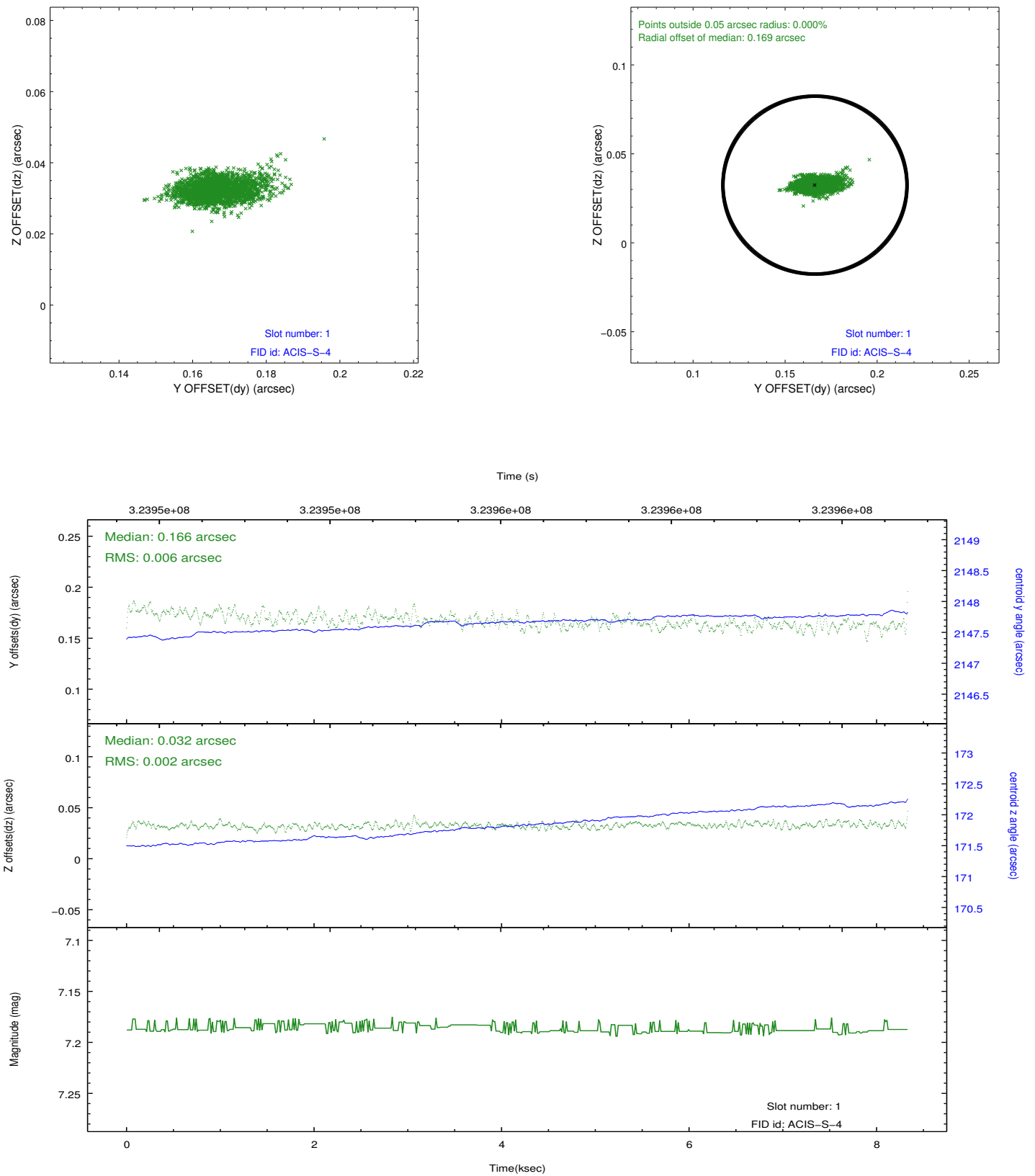


2.5 FID Slots

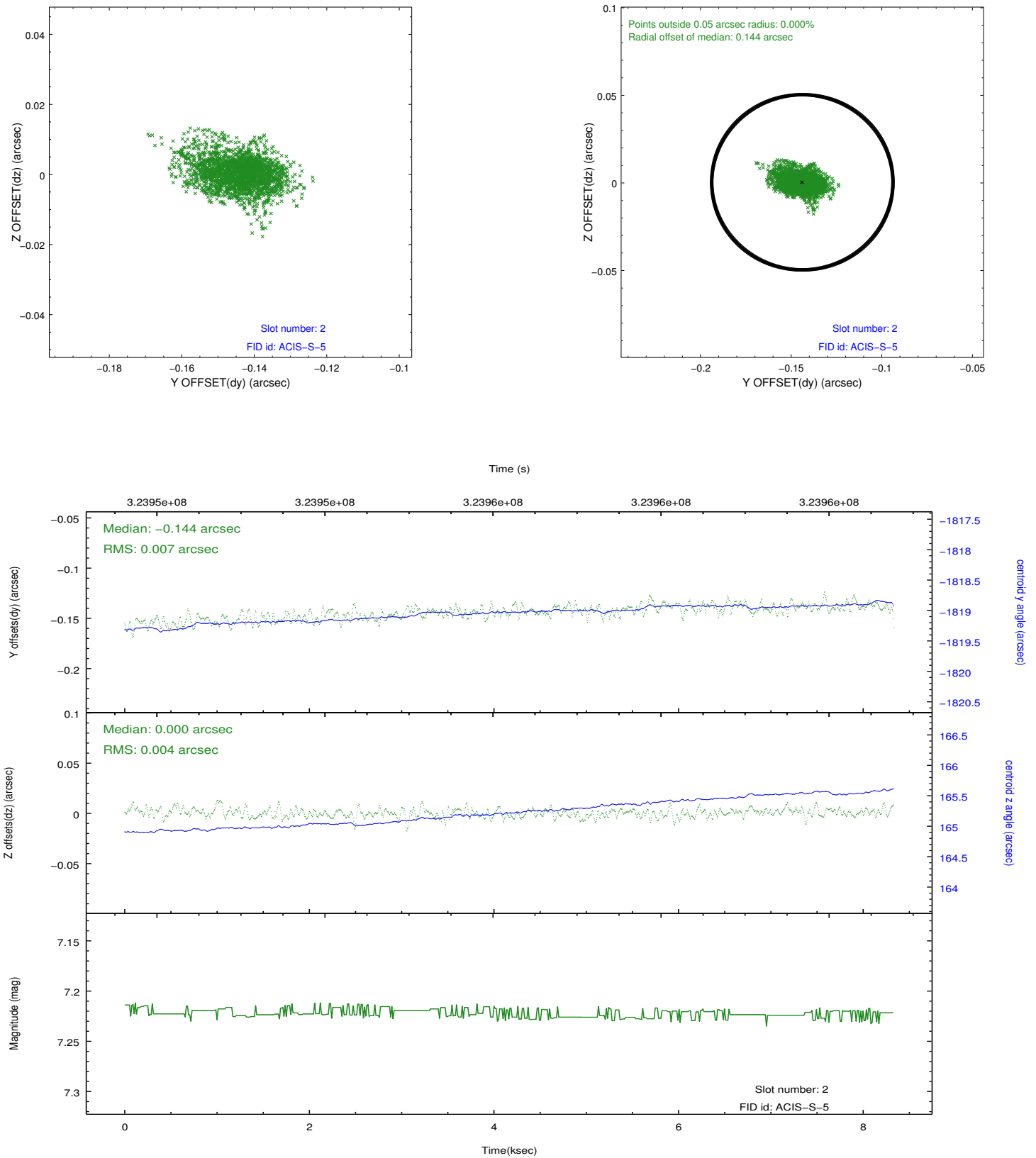
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.32660006

A.2 Comments