

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10737 - L2 Version 2
Chandra X-Ray Center

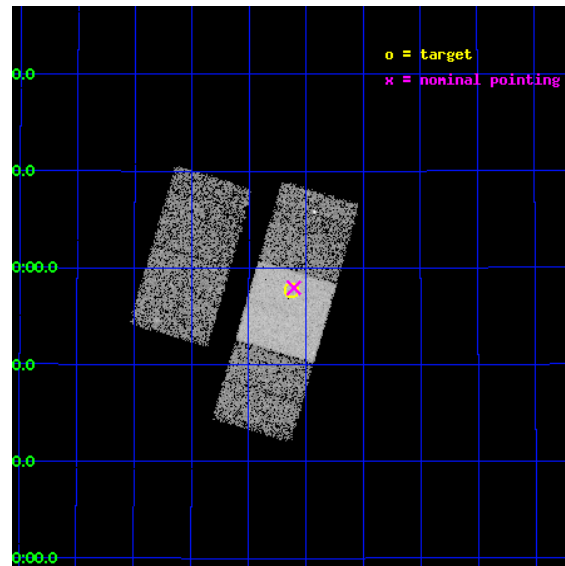
L2 Processing Date : May 28 2012

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

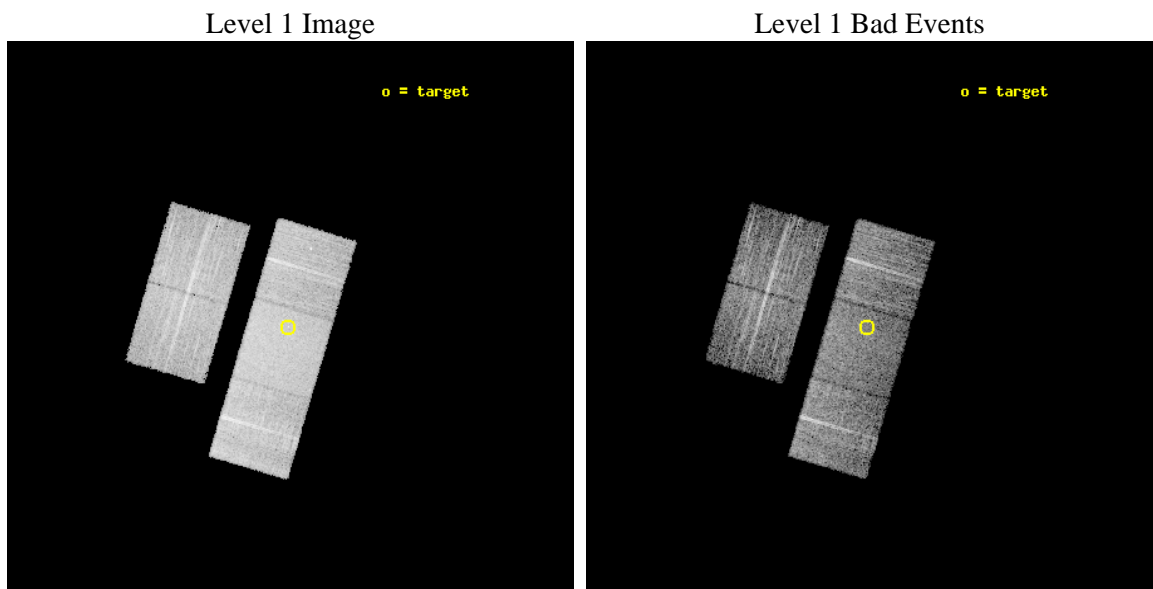
seq_num	701967	Sequence number
obs_id	10737	Observation id
title	A Chandra Snapshot Survey of Bright Mini-BAL Quasars	Proposal titl
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J093207.46+365745.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	143.03125	Observer's specified target RA [deg]
dec_targ	36.962639	Observer's specified target Dec [deg]
ra_nom	143.02659573734	Nominal RA [deg]
dec_nom	36.965843405614	Nominal Dec [deg]
roll_nom	106.41744207049	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5533.0469666123	Sum of GTIs [s]
livetime	5460.7536346236	Livetime [s]
ontime2	5532.8828065991	Sum of GTIs [s]
ontime3	5532.9648866057	Sum of GTIs [s]
ontime6	5533.005926609	Sum of GTIs [s]
ontime7	5533.0469666123	Sum of GTIs [s]
ontime8	5532.9238466024	Sum of GTIs [s]
l2events	56656	Number of level 2 events



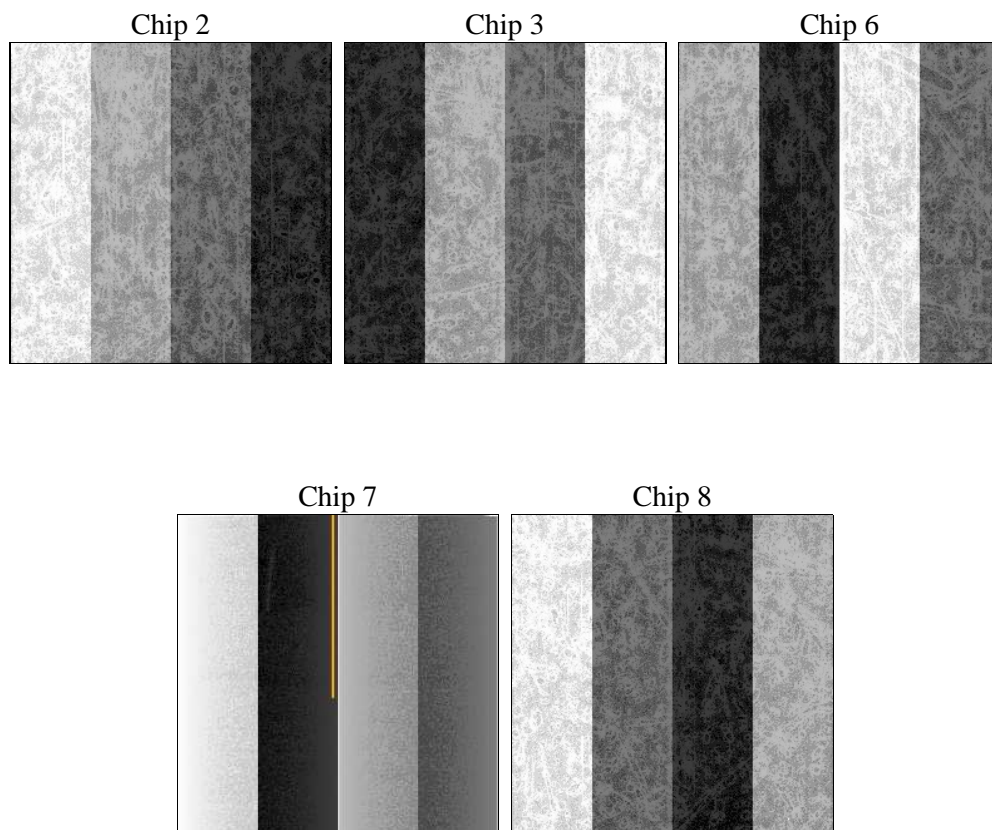
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5533.0469666123	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5532.8828065991	Sum of GTIs [s]
date	2012-05-28T12:19:44	Date and time of file creation	ontime3	5532.9648866057	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5533.005926609	Sum of GTIs [s]
			ontime7	5533.0469666123	Sum of GTIs [s]
			ontime8	5532.9238466024	Sum of GTIs [s]
			l1events	317608	Number of level 1 events

2.1.4 Events

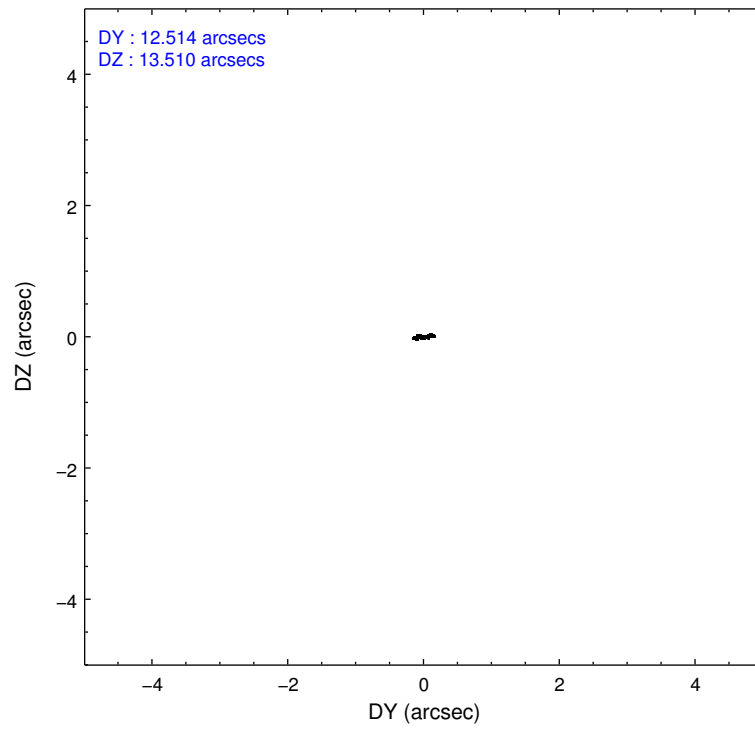
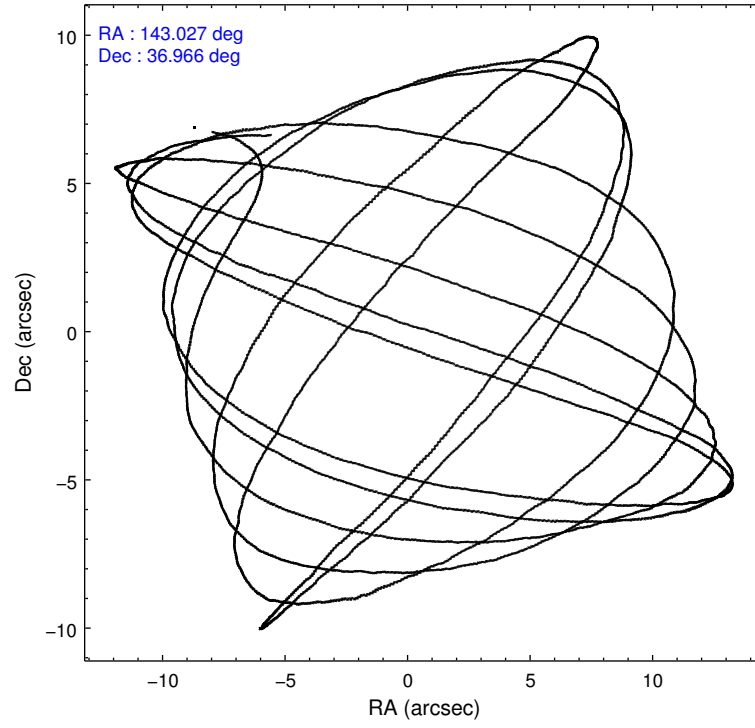
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	55135	53747	57802	78866	72058
rejected events	48665	46918	50690	46254	55430
rejected %	88%	87%	87%	58%	76%

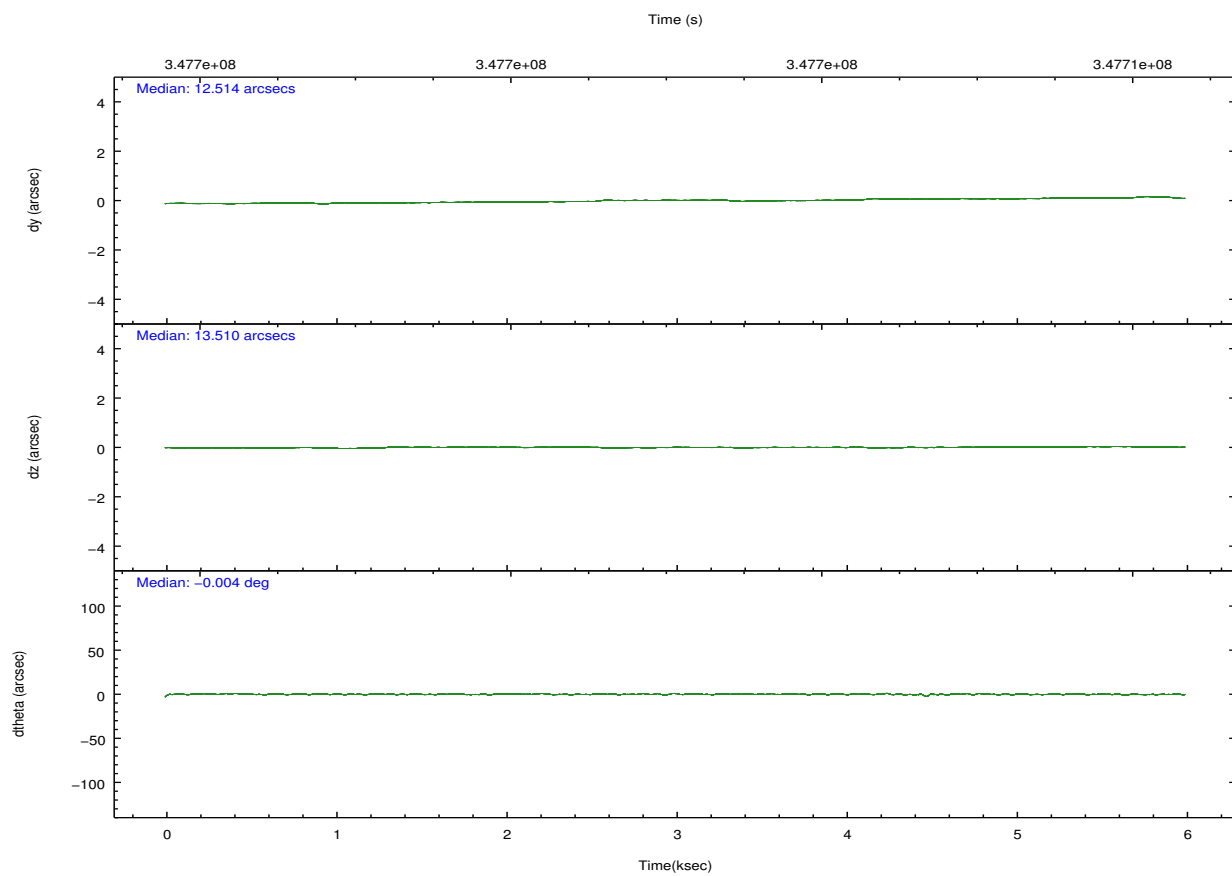
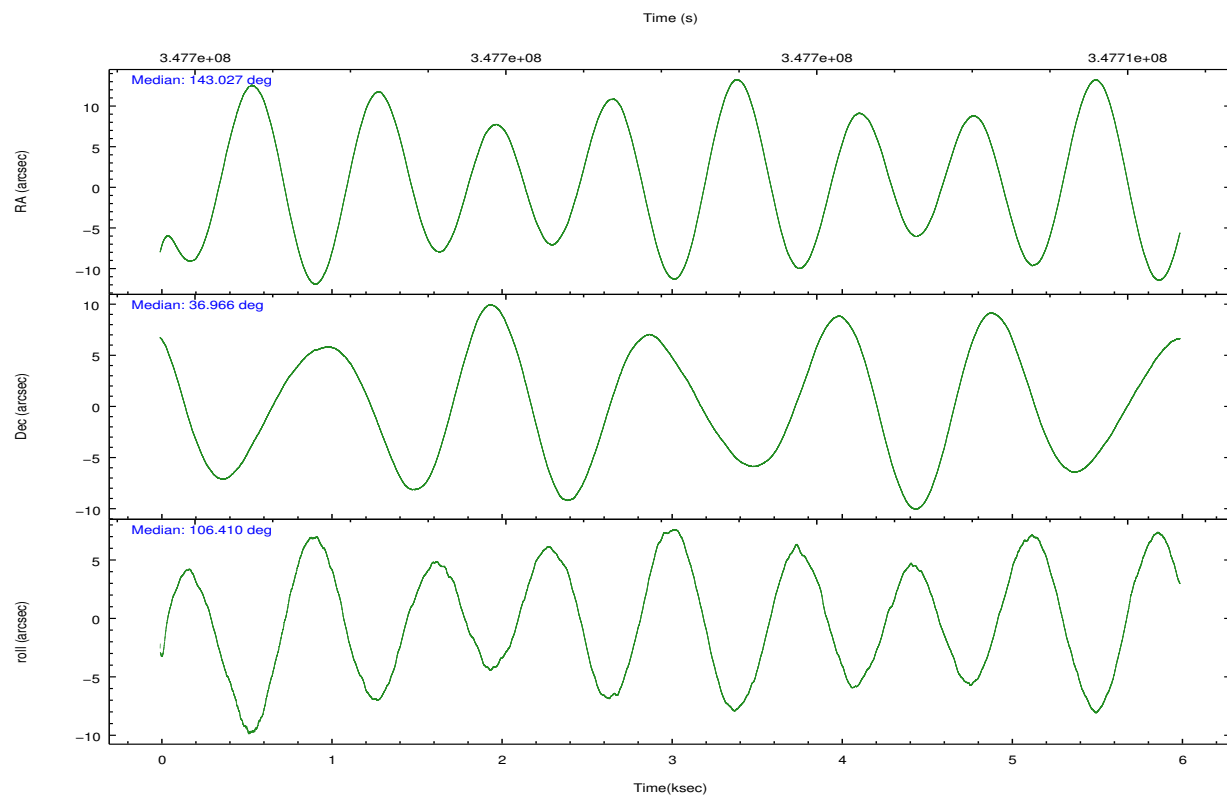
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2783	3007	2811	2782	5205
	5%	5%	4%	3%	7%
grade 1 events	23	40	50	91	66
	0%	0%	0%	0%	0%
grade 2 events	1337	1302	1627	6696	3736
	2%	2%	2%	8%	5%
grade 3 events	621	691	648	2703	1704
	1%	1%	1%	3%	2%
grade 4 events	606	641	660	2747	1569
	1%	1%	1%	3%	2%
grade 5 events	2273	2602	2724	7399	3630
	4%	4%	4%	9%	5%
grade 6 events	1125	1192	1368	17709	4417
	2%	2%	2%	22%	6%
grade 7 events	46367	44272	47914	38739	51731
	84%	82%	82%	49%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	143.051844	143.0265957373379	CCD I2 on	O1	Y
[deg] Pointing Dec	36.947301	36.9658434056139	CCD I3 on	O2	Y
[deg] Pointing Roll	106.245643	106.4174420704916	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	Y	Y
[s] Observation start time (MET)	347700550.184000	347699465.23709	CCD S5 on	N	N
Observation start date	2009-01-07T07:28:04	2009-01-07T07:11:05	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	347706050.184000	347706723.77495	On-chip summing requested	N	N
Observation end date	2009-01-07T08:59:44	2009-01-07T09:12:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



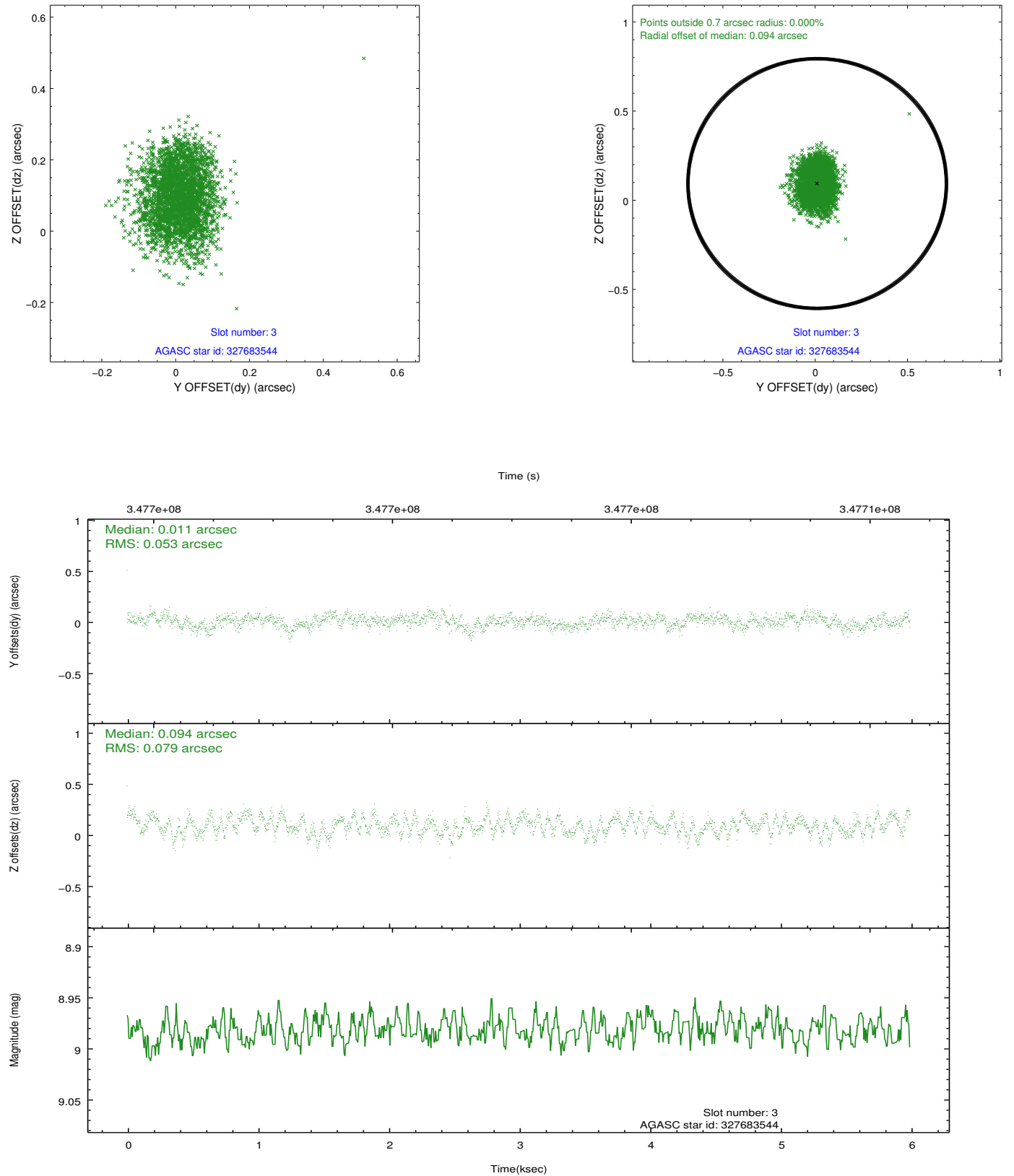


Slot Statistics

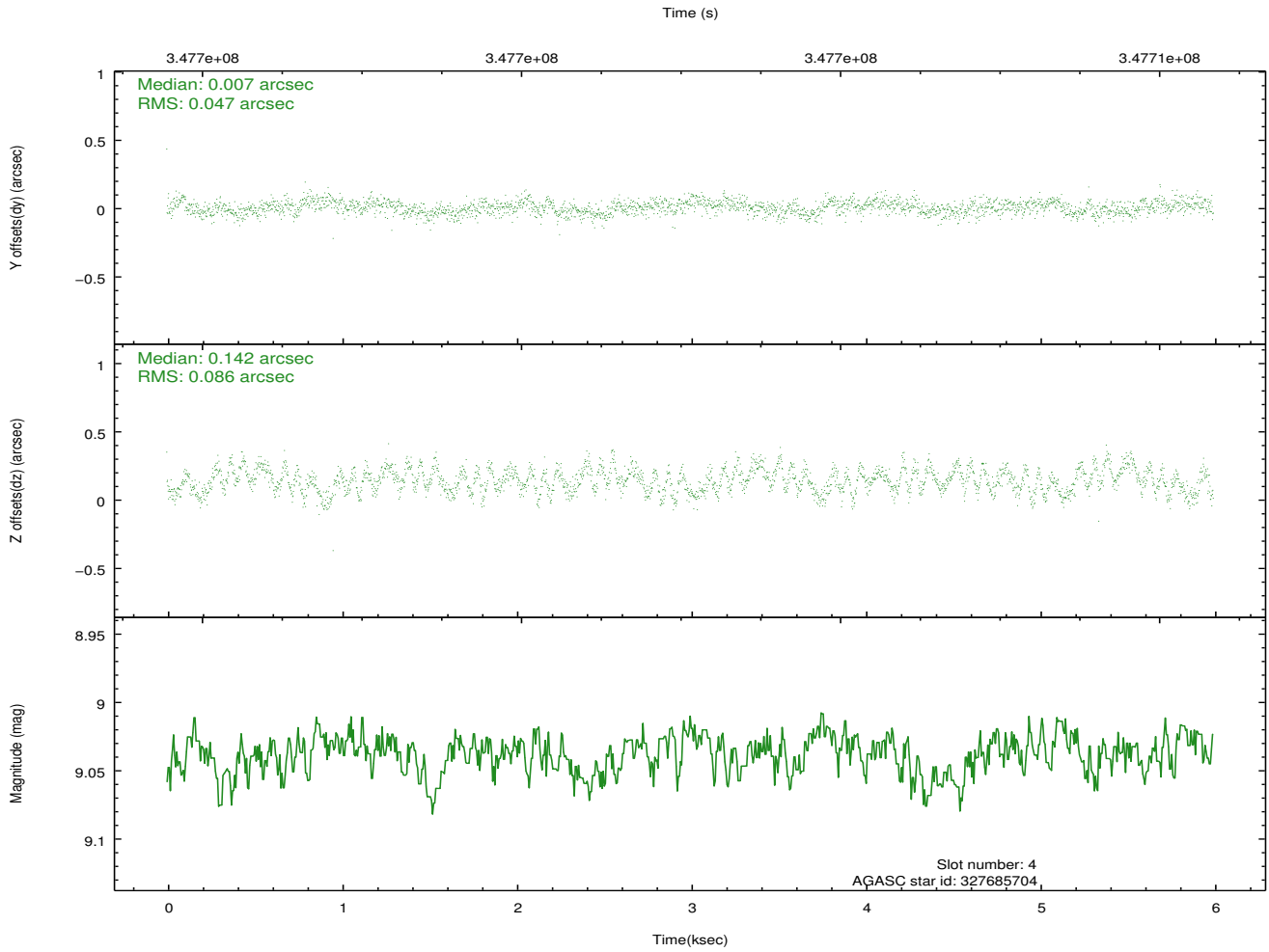
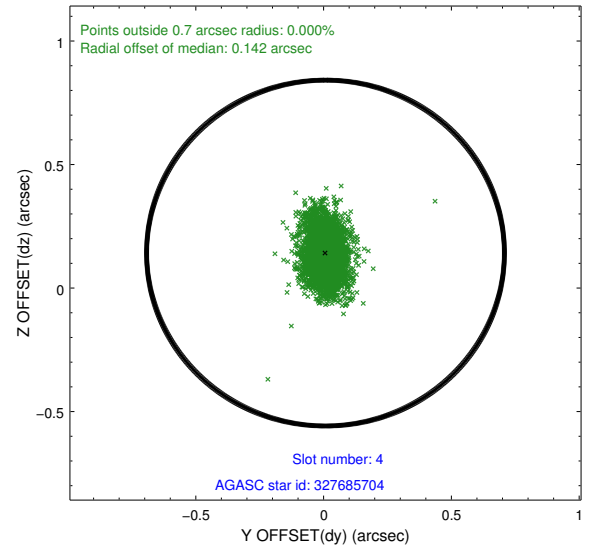
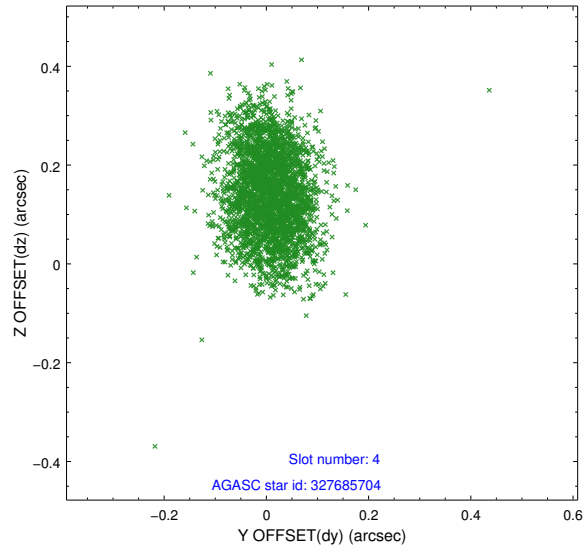
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.97	1463	-0.023	-0.054	0.007	0.011	0.000000	0.000000	-765.43	-1734.80
1	FID	ACIS-S-4	7.05	1463	0.148	0.025	0.006	0.013	0.000000	0.000000	2147.56	172.74
2	FID	ACIS-S-5	7.09	1463	-0.157	0.037	0.007	0.013	0.000000	0.000000	-1817.14	167.55
3	GUIDE	327683544	8.98	2926	0.011	0.094	0.101	0.161	143.898514	36.880175	-903.26	-2276.20
4	GUIDE	327685704	9.04	2920	0.007	0.142	0.103	0.171	143.858400	36.881165	-868.79	-2166.71
5	GUIDE	327691568	9.30	2921	-0.034	-0.101	0.088	0.143	142.168978	37.397810	2274.39	1966.61
6	GUIDE	327691744	8.55	2924	-0.004	-0.180	0.064	0.110	142.715850	36.197987	-2314.44	1691.78
7	GUIDE	327691984	7.95	2924	0.021	0.047	0.061	0.097	143.505053	36.422117	-2180.07	-731.90

2.4 Star Slots

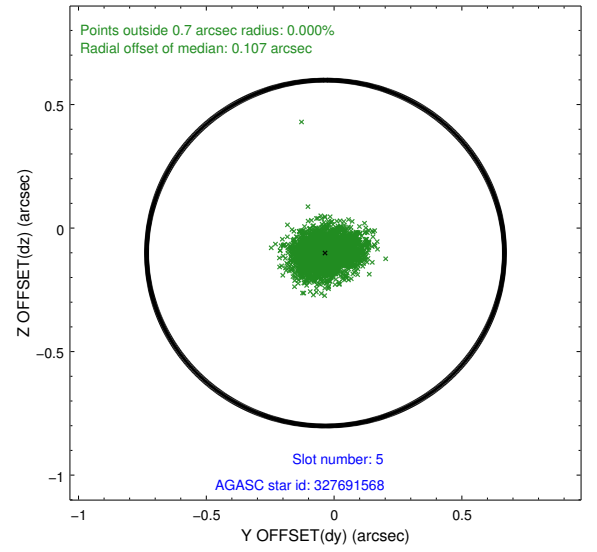
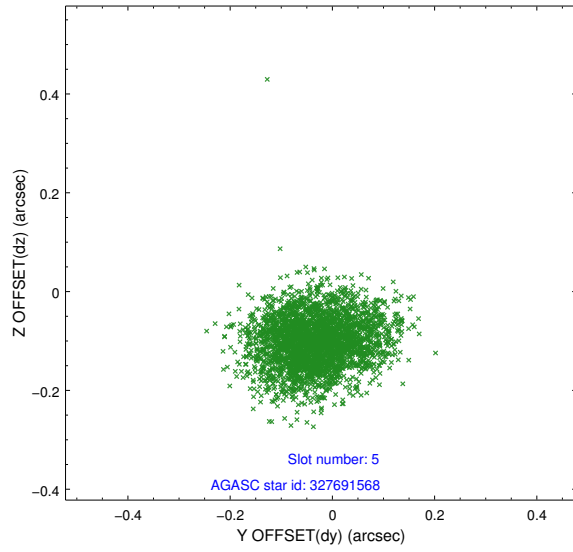
2.4.1 Slot 3



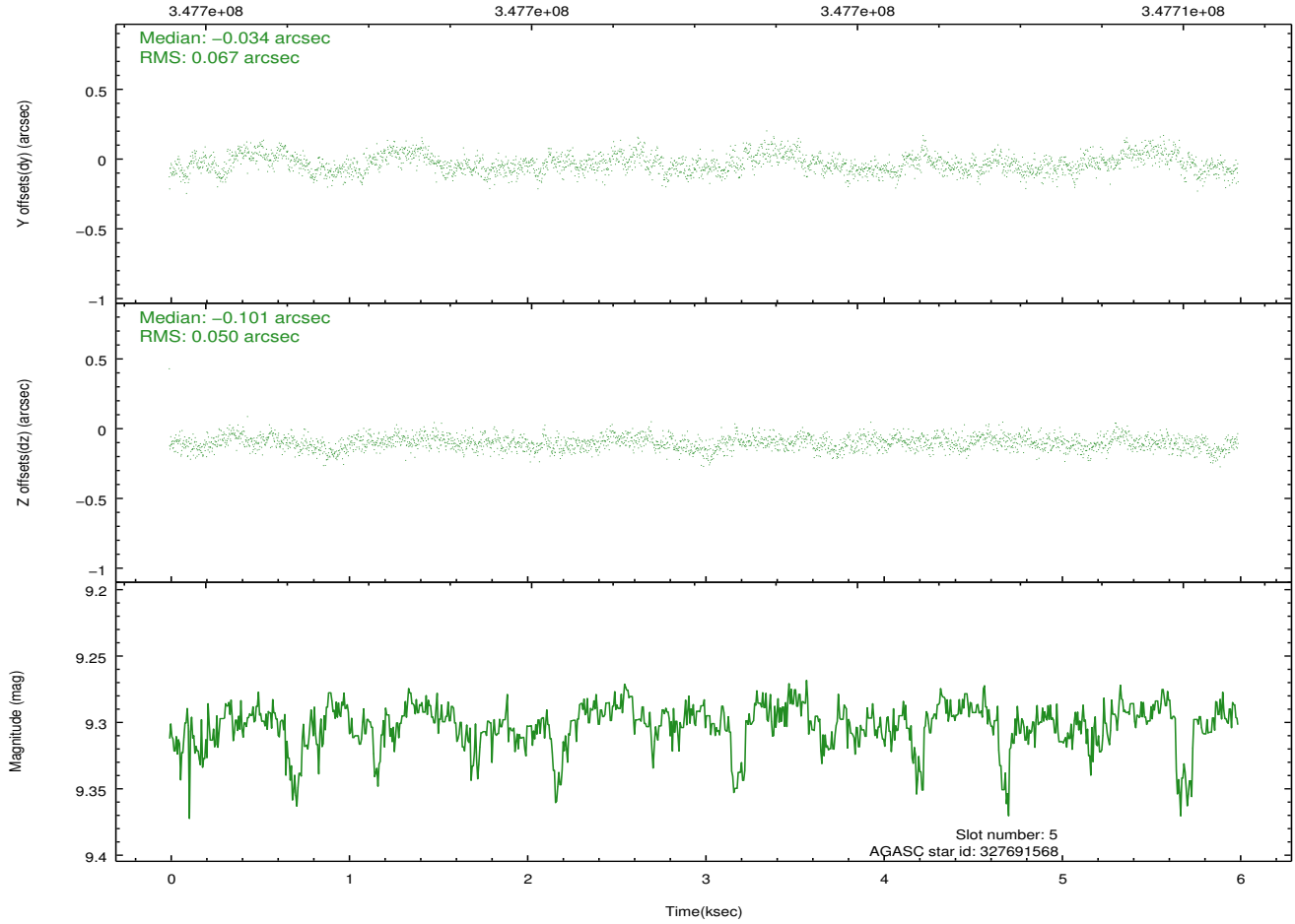
2.4.2 Slot 4



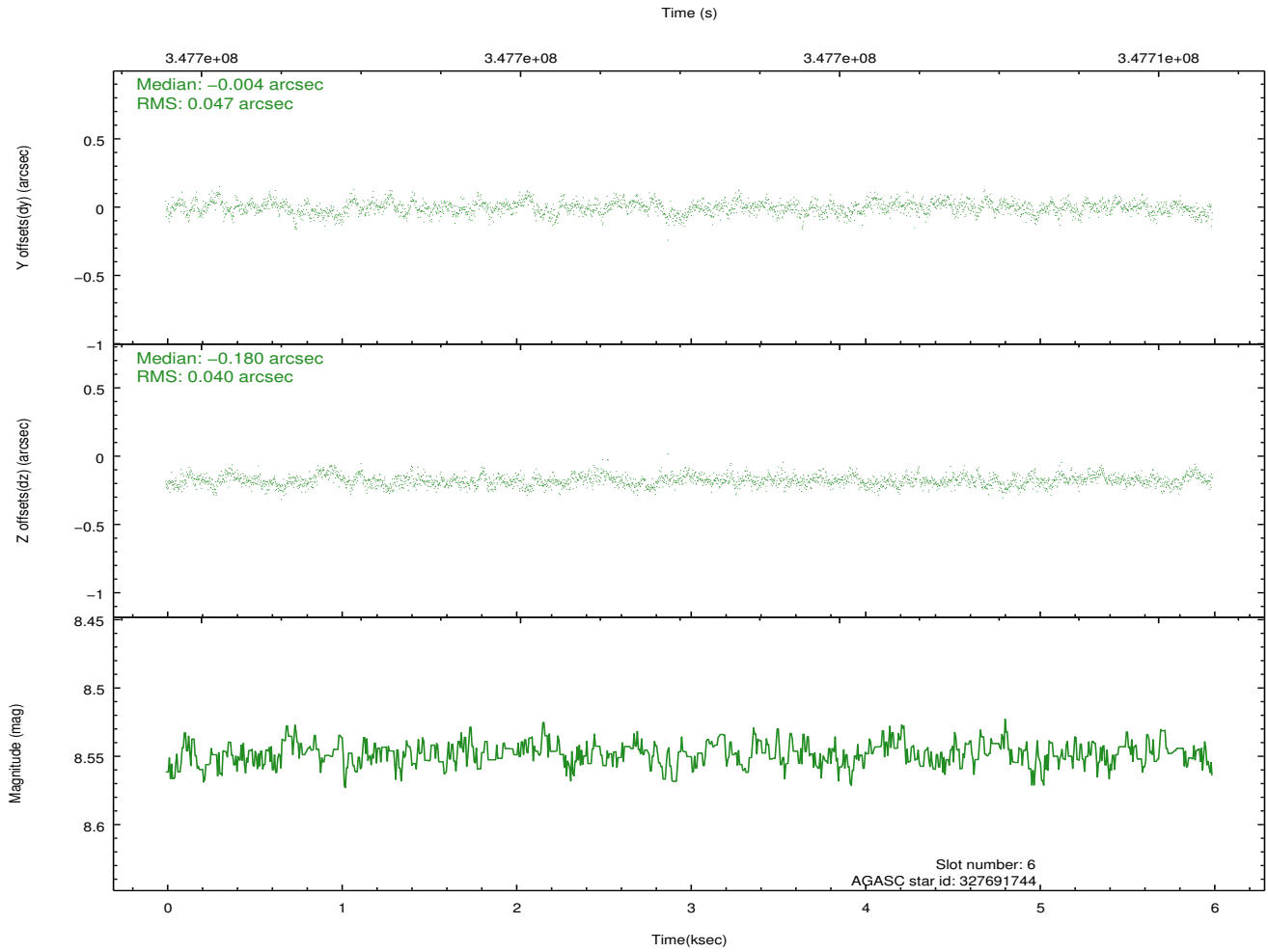
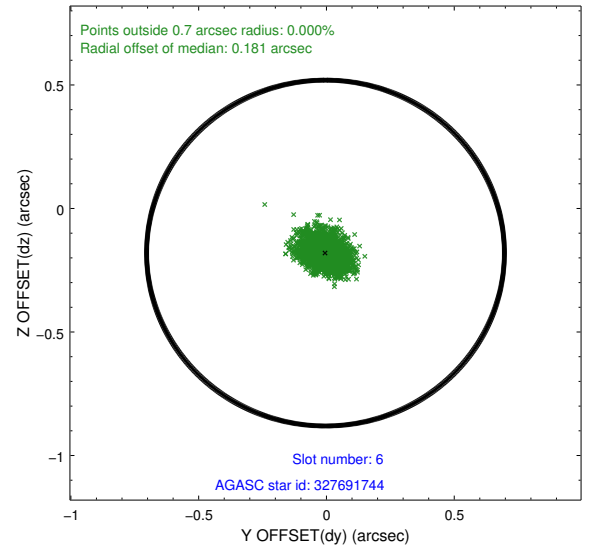
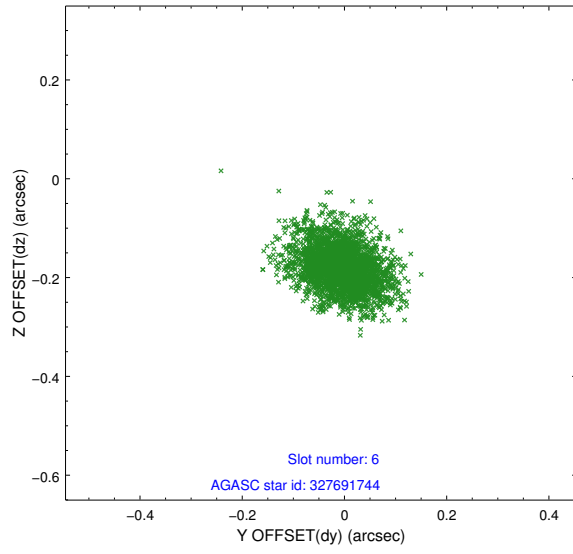
2.4.3 Slot 5



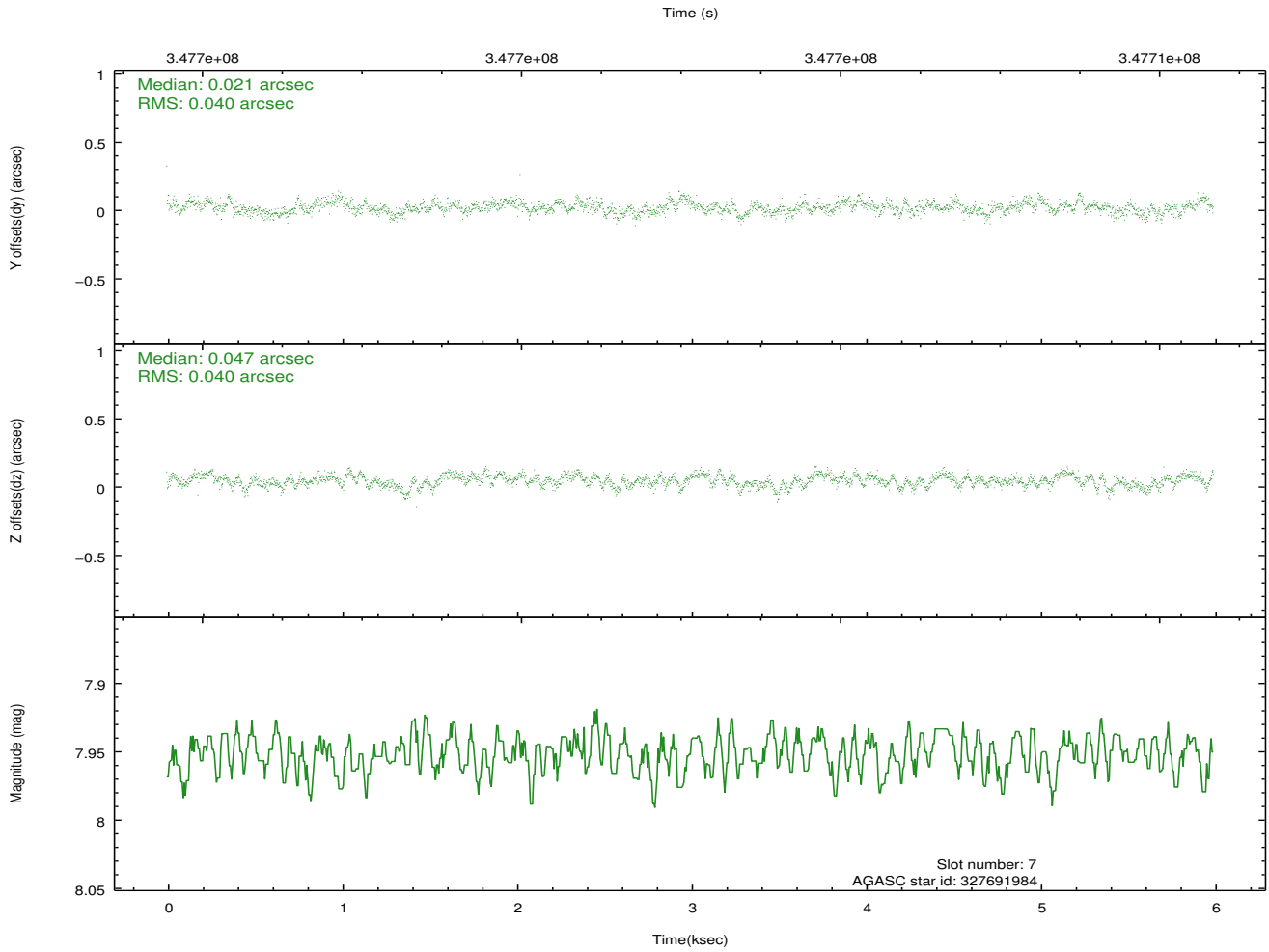
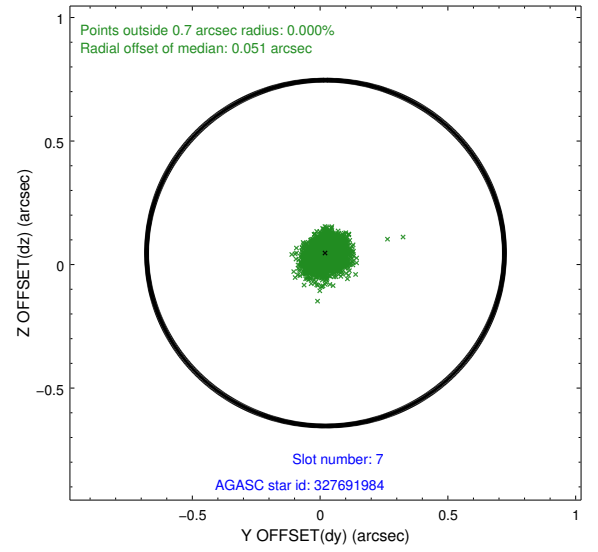
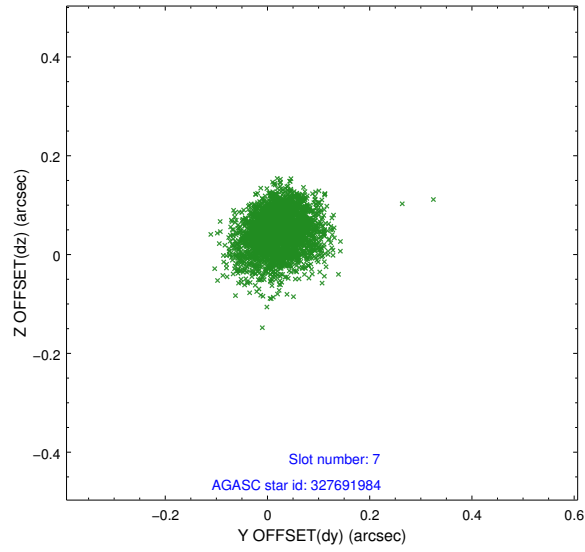
Time (s)



2.4.4 Slot 6

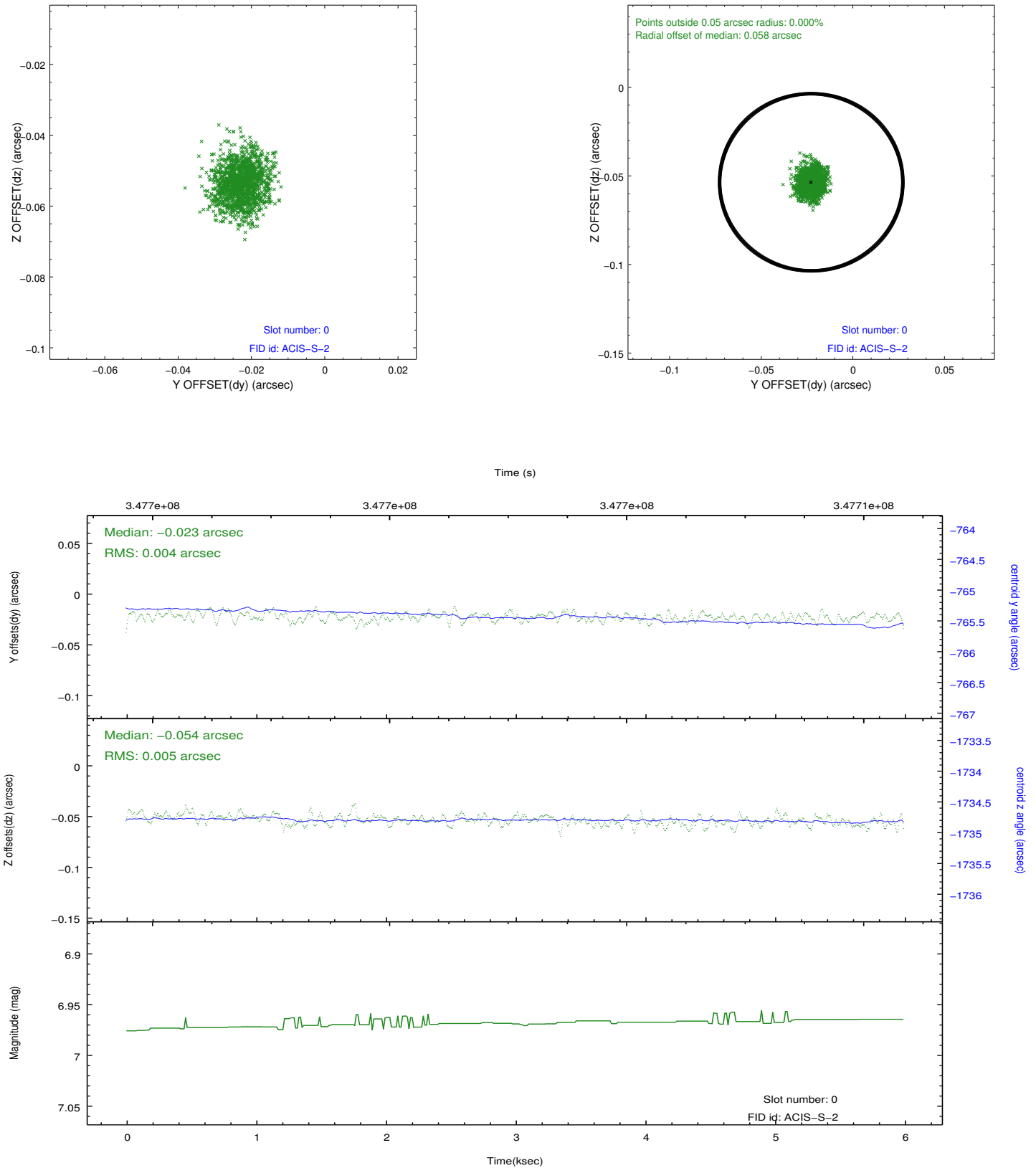


2.4.5 Slot 7

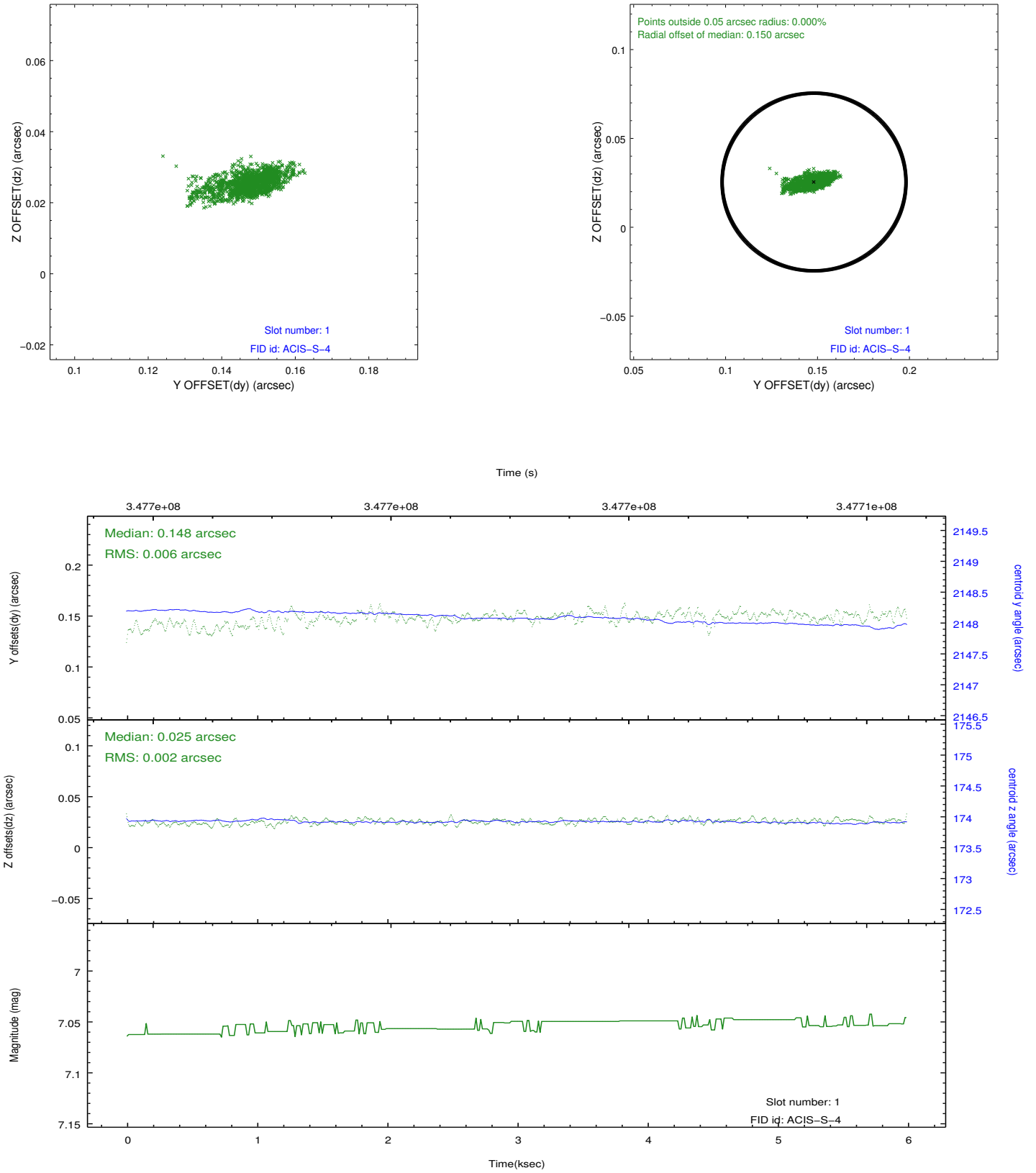


2.5 FID Slots

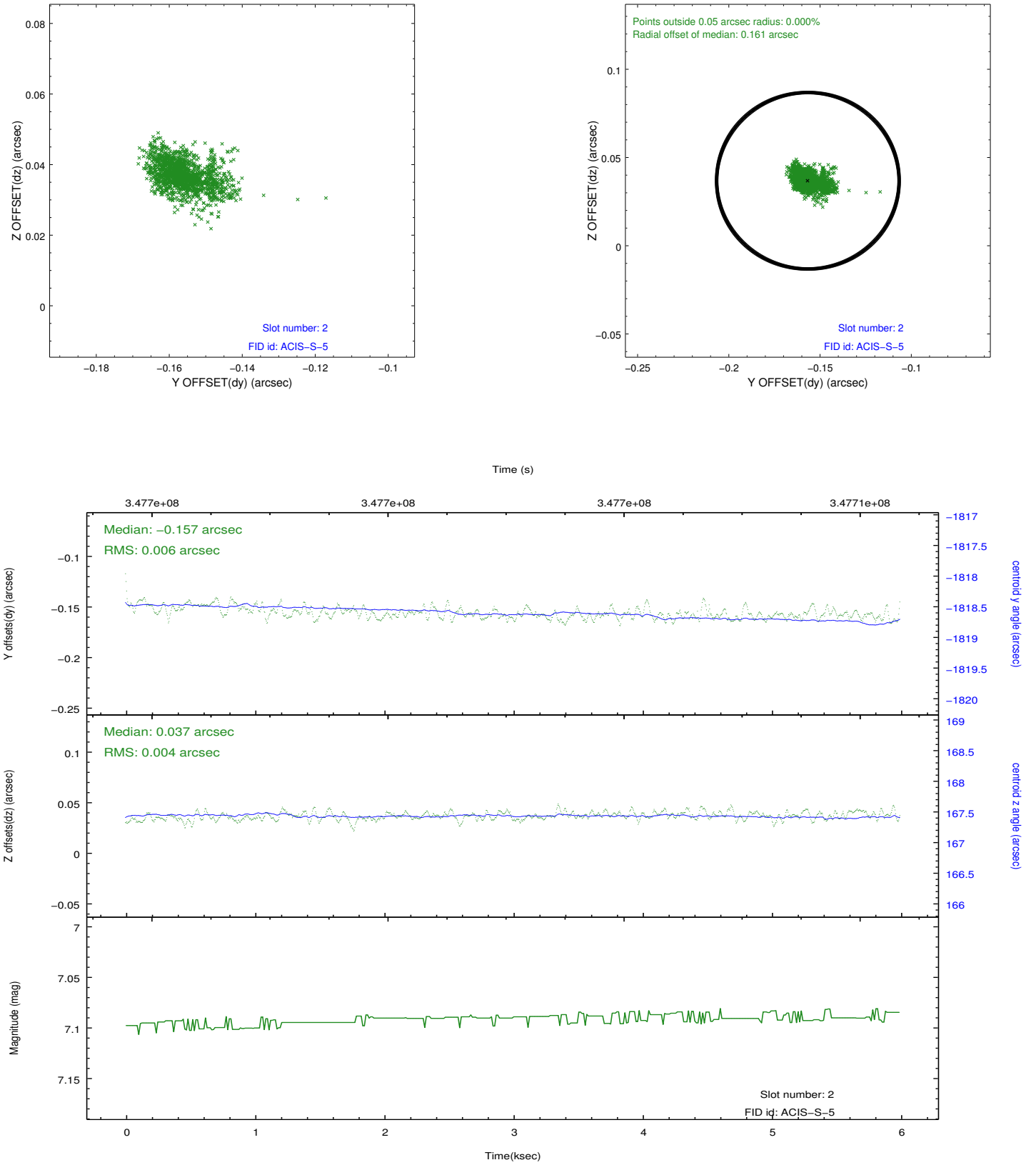
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.53350004

A.2 Comments