

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7803 - L2 Version 2
Chandra X-Ray Center

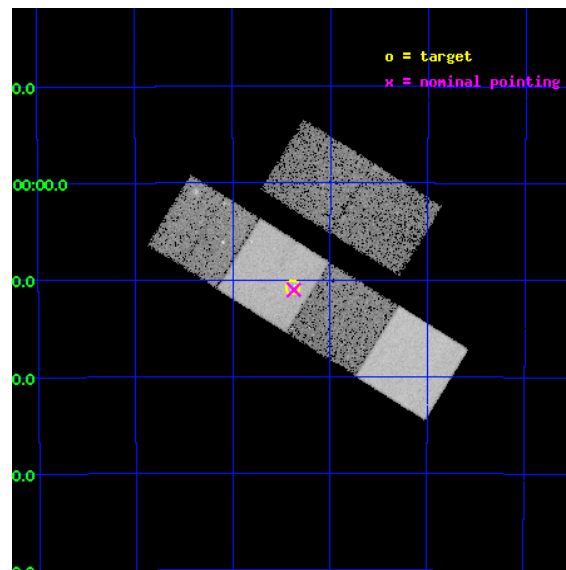
L2 Processing Date : Apr 25 2012

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

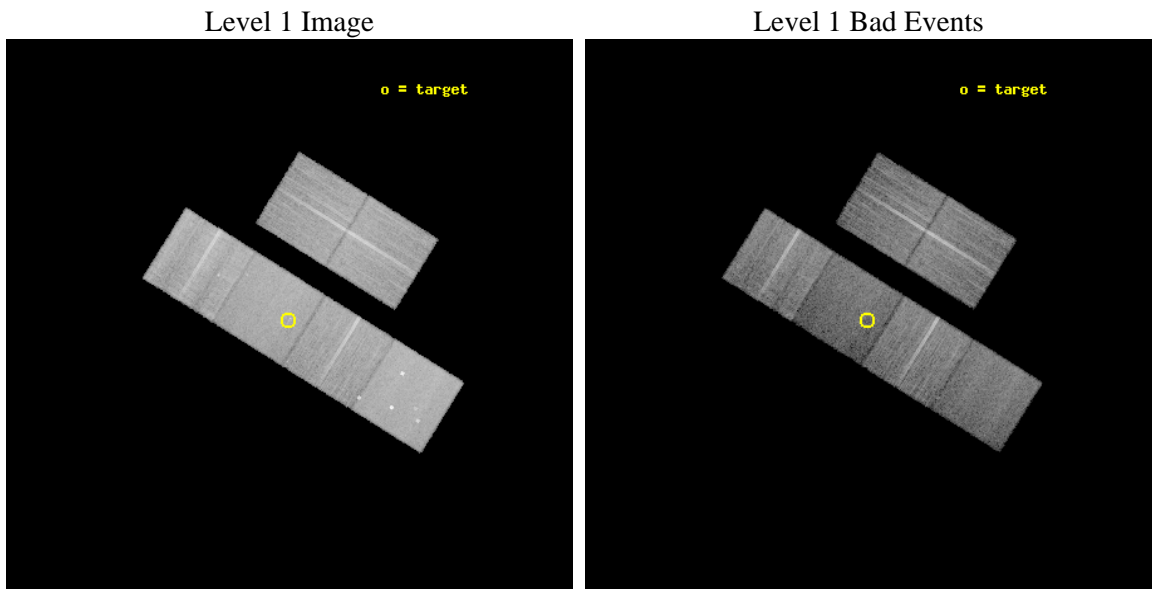
seq_num	701467	Sequence number
obs_id	7803	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	ESO 255-IG007	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	96.84625	Observer's specified target RA [deg]
dec_targ	-47.179722	Observer's specified target Dec [deg]
ra_nom	96.843072760775	Nominal RA [deg]
dec_nom	-47.184085004954	Nominal Dec [deg]
roll_nom	211.86313131879	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14754.200871468	Sum of GTIs [s]
livetime	14567.37429612	Livetime [s]
ontime2	14754.241911471	Sum of GTIs [s]
ontime3	14750.836781204	Sum of GTIs [s]
ontime5	14754.159831464	Sum of GTIs [s]
ontime6	14754.118791461	Sum of GTIs [s]
ontime7	14754.200871468	Sum of GTIs [s]
ontime8	14747.554750979	Sum of GTIs [s]
l2events	174582	Number of level 2 events



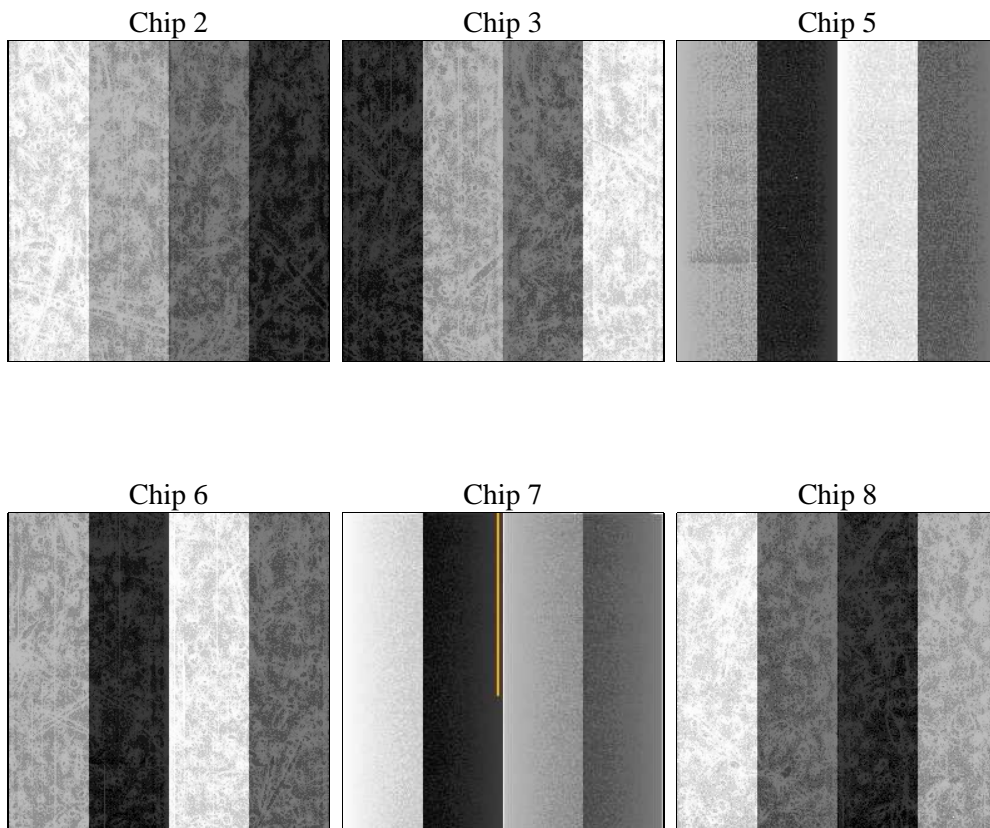
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	14754.200871468	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	14754.241911471	Sum of GTIs [s]
date	2012-04-25T09:35:43	Date and time of file creation	ontime3	14750.836781204	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	14754.159831464	Sum of GTIs [s]
			ontime6	14754.118791461	Sum of GTIs [s]
			ontime7	14754.200871468	Sum of GTIs [s]
			ontime8	14747.554750979	Sum of GTIs [s]
			l1events	798582	Number of level 1 events

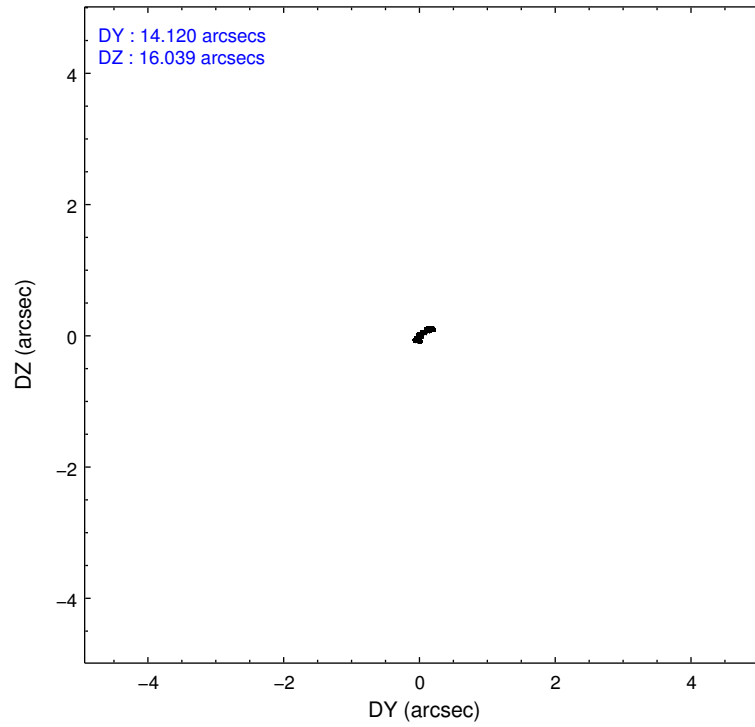
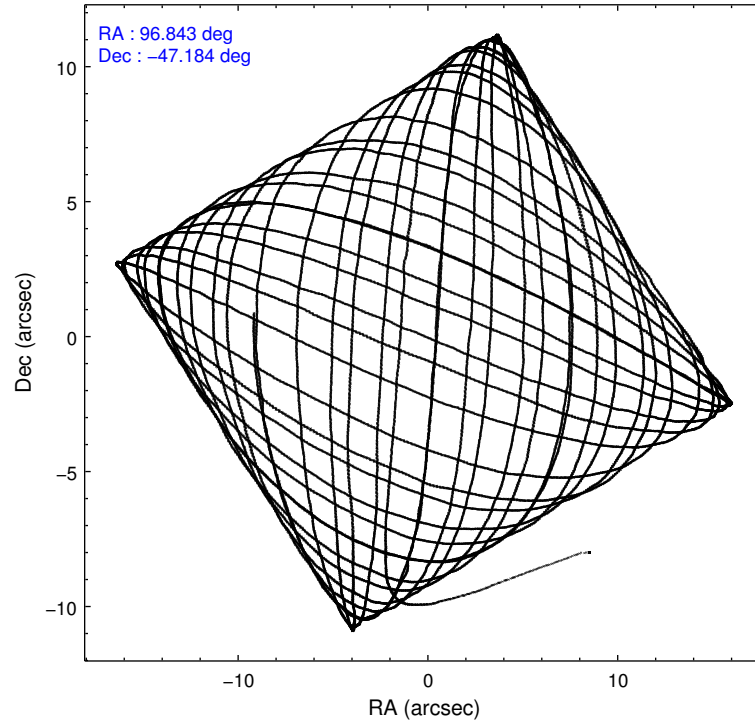
2.1.4 Events

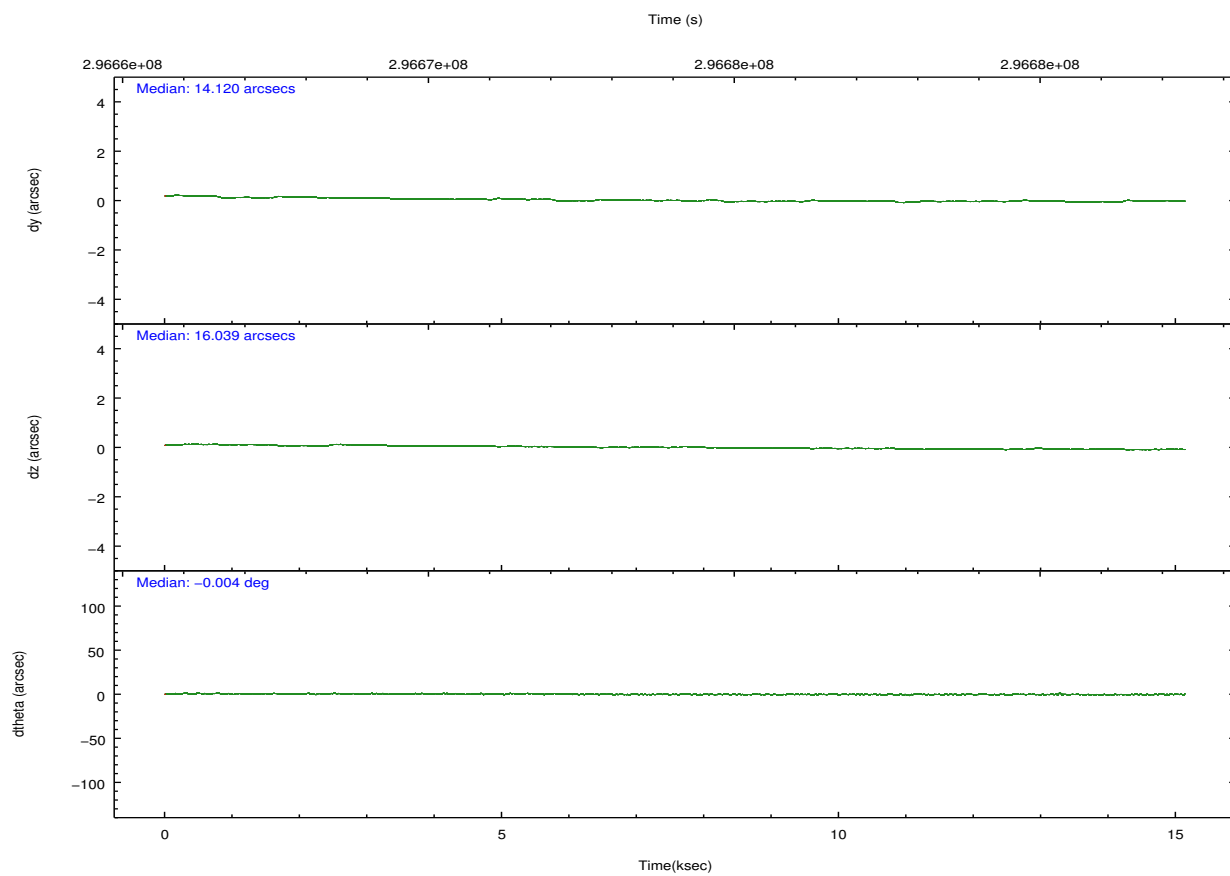
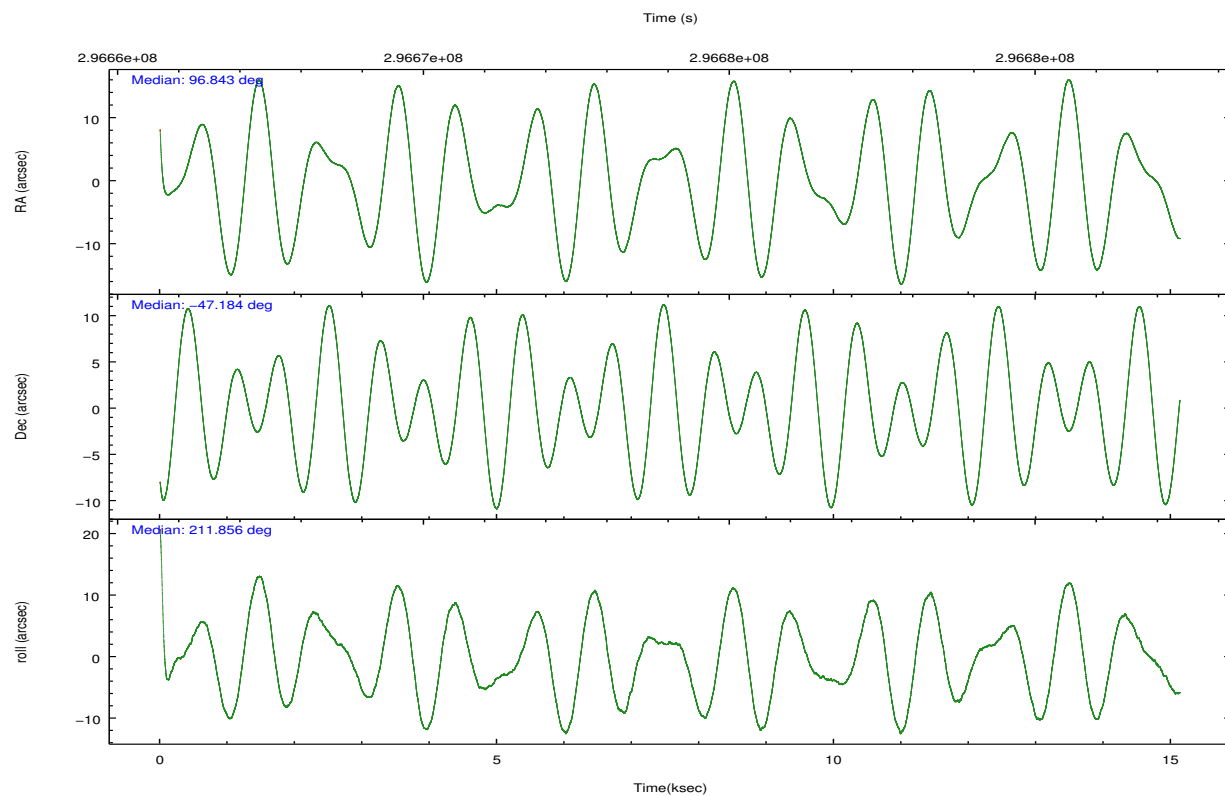
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	125290	112211	163198	117892	129078	150913	grade 0 events	3958	3628	11508	4208	5764	11400
rejected events	114058	101763	79613	105997	69309	114274		3%	3%	7%	3%	4%	7%
rejected %	91%	90%	48%	89%	53%	75%	grade 1 events	65	60	304	56	183	138
								0%	0%	0%	0%	0%	0%
							grade 2 events	2747	2293	24030	2629	12310	8271
								2%	2%	14%	2%	9%	5%
							grade 3 events	1203	1240	3453	1315	5467	3941
								0%	1%	2%	1%	4%	2%
							grade 4 events	1212	1192	3361	1244	5500	3548
								0%	1%	2%	1%	4%	2%
							grade 5 events	3935	4443	12712	4559	13534	6629
								3%	3%	7%	3%	10%	4%
							grade 6 events	2116	2097	41267	2505	30747	9500
								1%	1%	25%	2%	23%	6%
							grade 7 events	110054	97258	66563	101376	55573	107486
								87%	86%	40%	85%	43%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	96.861547	96.84307276077458	CCD I2 on	O1	Y
[deg] Pointing Dec	-47.159771	-47.18408500495407	CCD I3 on	O2	Y
[deg] Pointing Roll	211.720042	211.8631313187879	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	296666606.184000	296664990.75776	CCD S5 on	N	N
Observation start date	2007-05-27T15:22:21	2007-05-27T14:56:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	296681606.184000	296682260.47108	On-chip summing requested	N	N
Observation end date	2007-05-27T19:32:21	2007-05-27T19:44:20	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



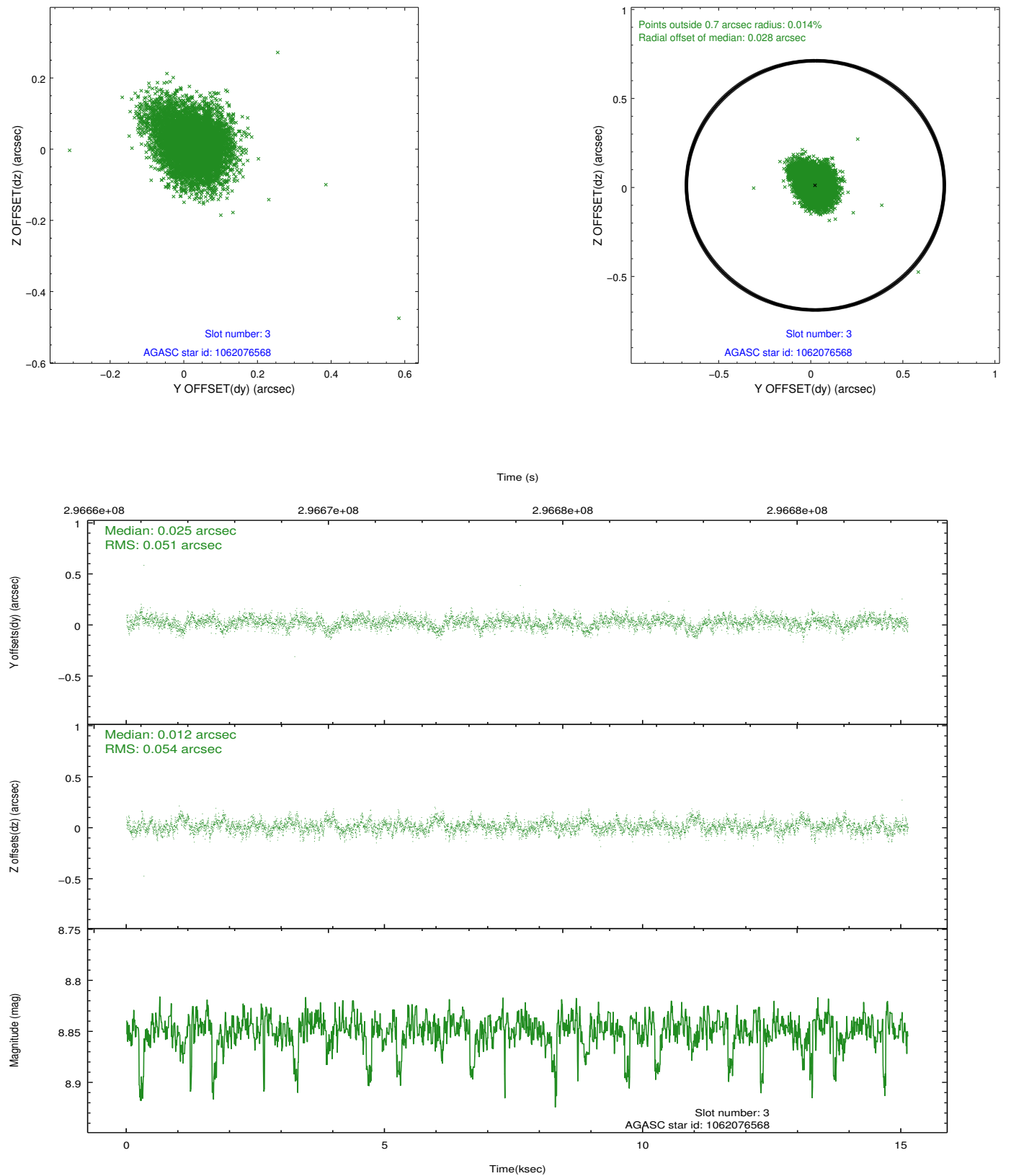


Slot Statistics

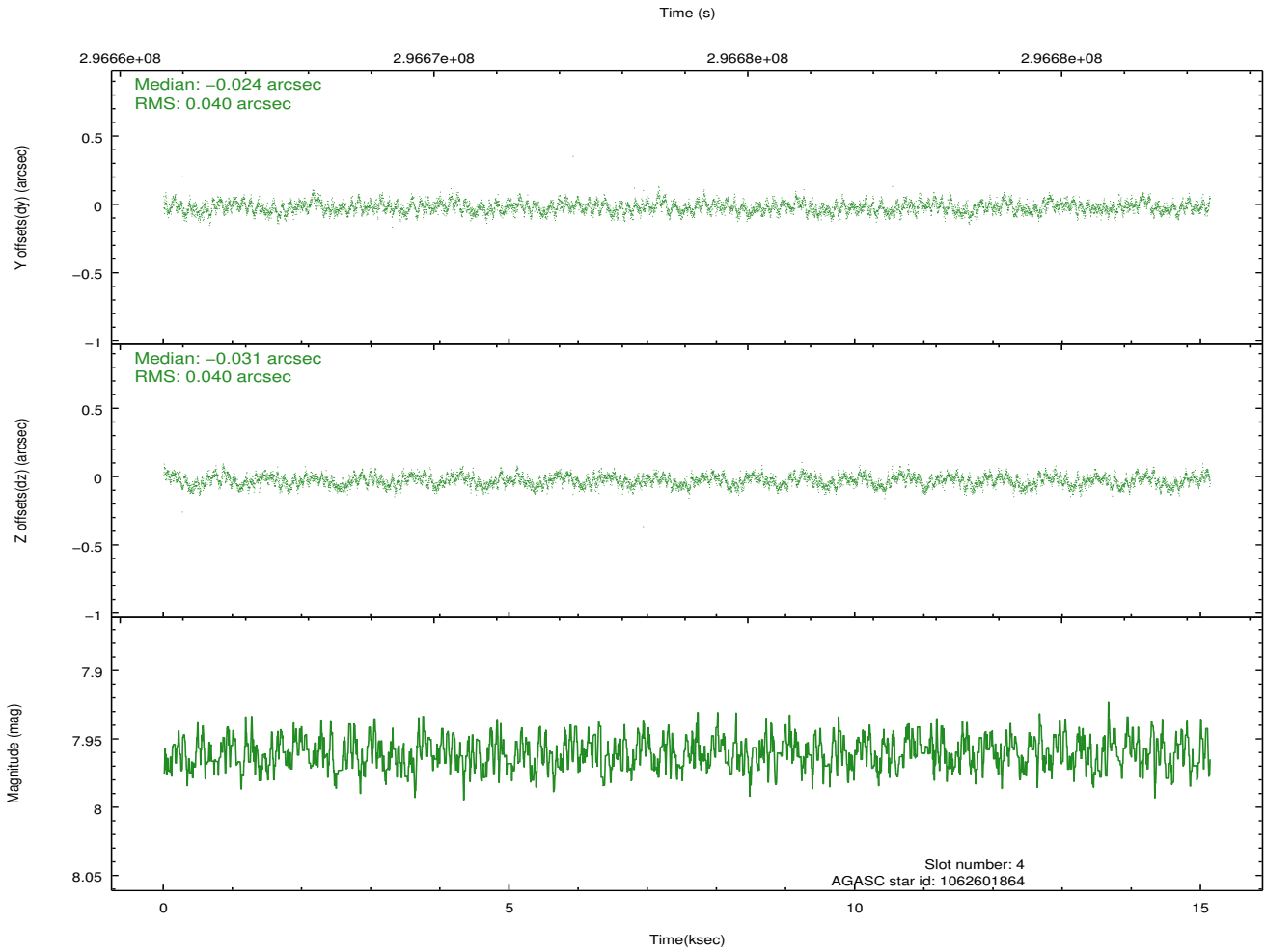
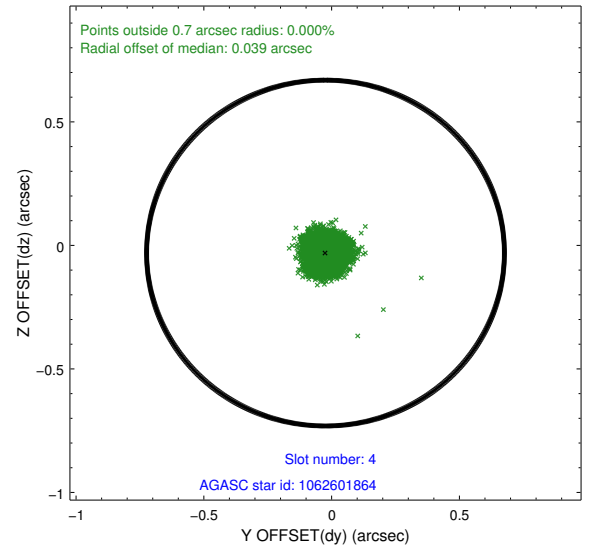
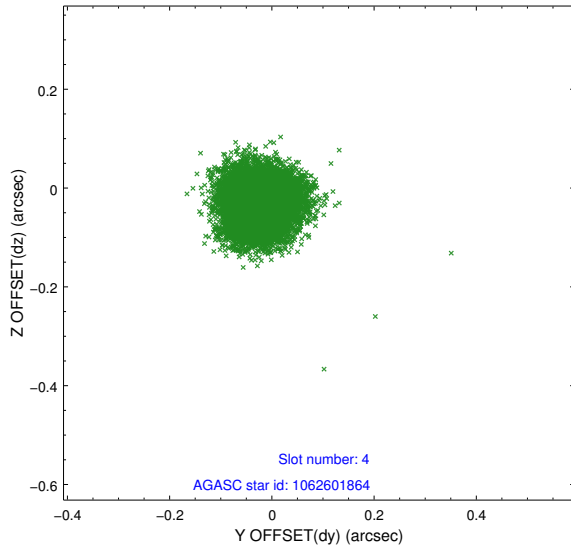
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	3692	-0.066	-0.024	0.006	0.011	0.000000	0.000000	-767.16	-1737.42
1	FID	ACIS-S-4	7.19	3692	0.196	0.039	0.005	0.009	0.000000	0.000000	2146.24	170.82
2	FID	ACIS-S-5	7.22	3691	-0.161	-0.006	0.006	0.010	0.000000	0.000000	-1819.71	164.78
3	GUIDE	1062076568	8.85	7379	0.025	0.012	0.078	0.132	95.862985	-46.867838	1546.74	-2172.49
4	GUIDE	1062601864	7.96	7377	-0.024	-0.031	0.061	0.093	97.737589	-47.257595	-1629.00	1434.81
5	GUIDE	1062078984	9.31	7378	0.020	0.118	0.089	0.147	97.354558	-46.487938	-2308.99	-1411.42
6	GUIDE	1062601152	8.26	7383	0.068	0.084	0.060	0.095	96.226166	-46.935980	908.41	-1500.93
7	GUIDE	1062608888	8.38	7382	-0.088	-0.182	0.063	0.098	96.787916	-47.821238	1403.46	1932.04

2.4 Star Slots

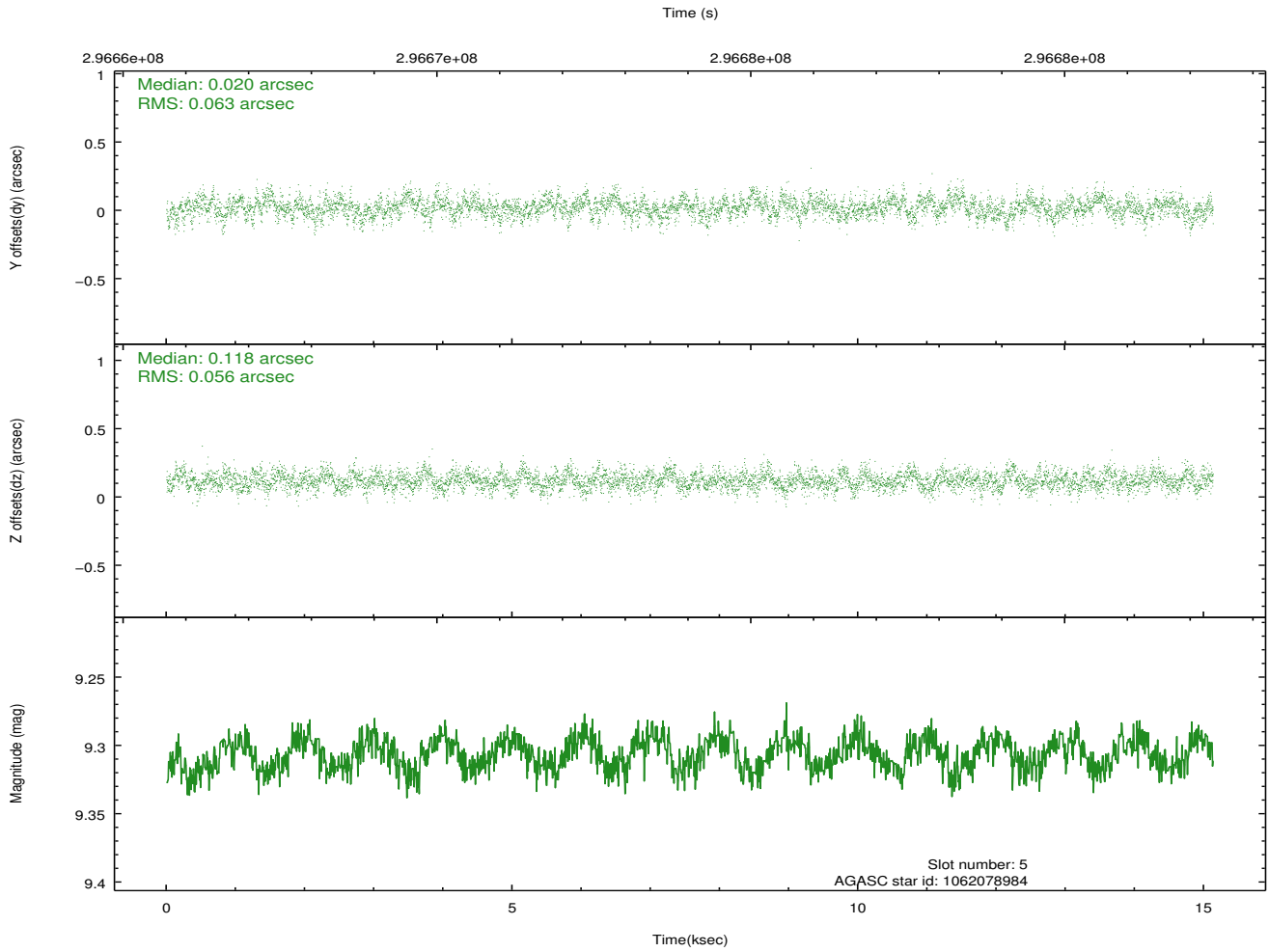
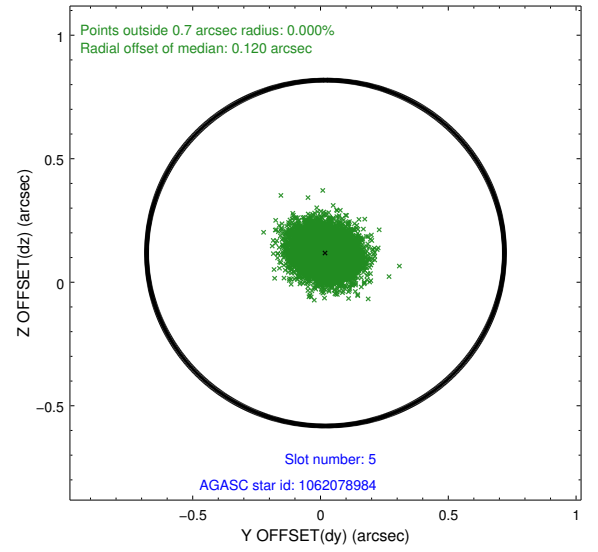
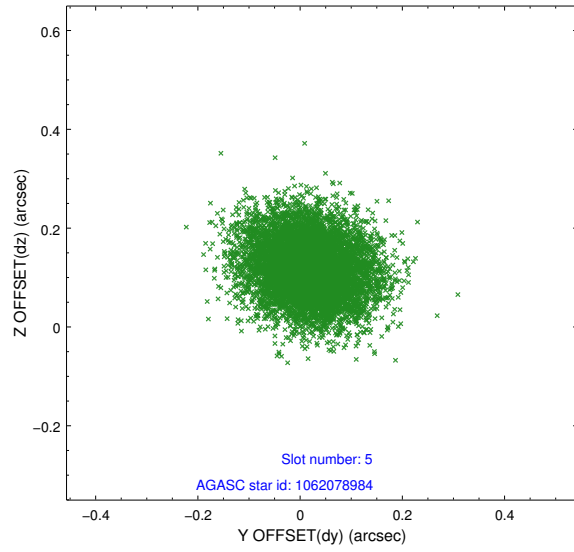
2.4.1 Slot 3



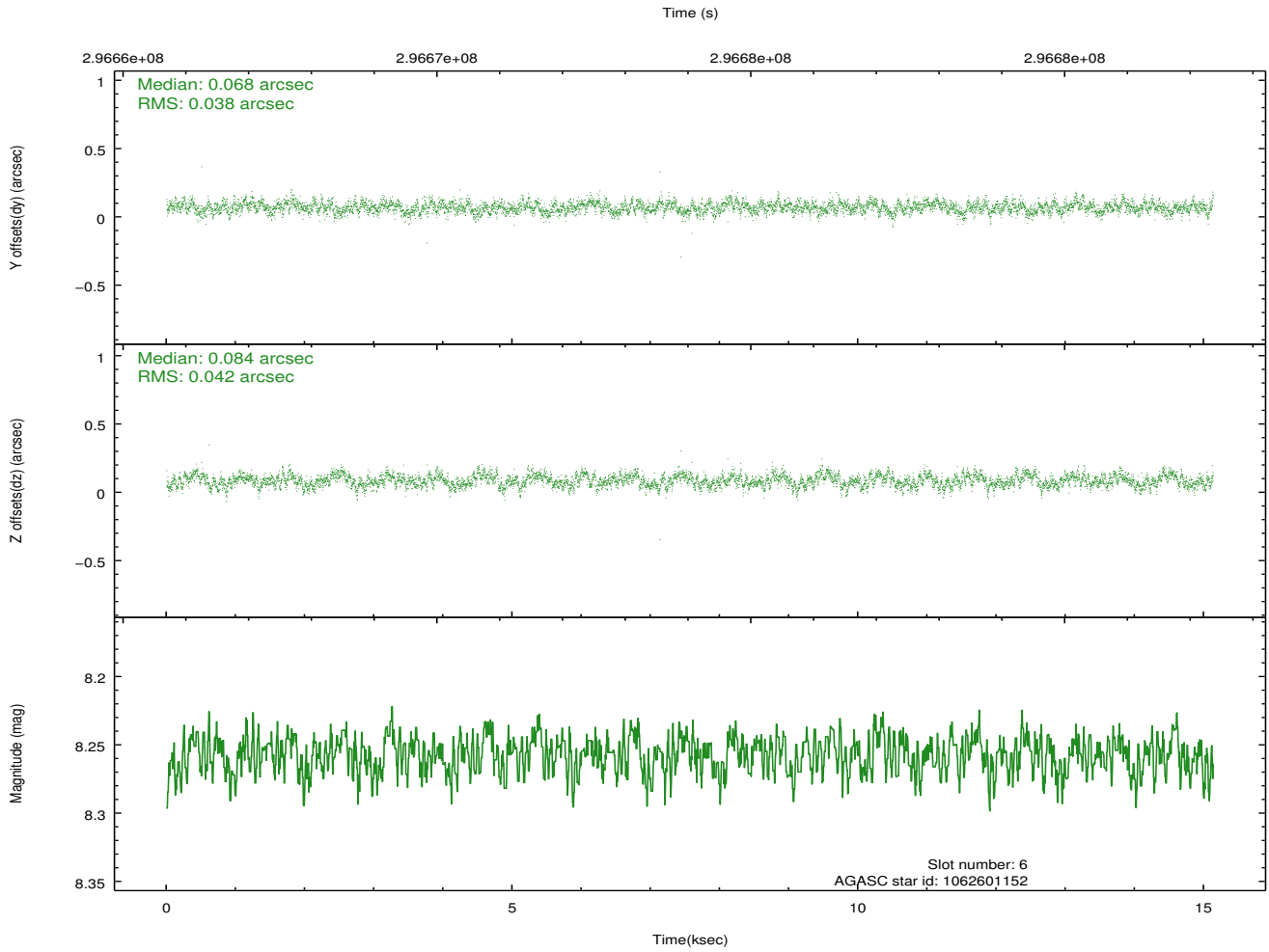
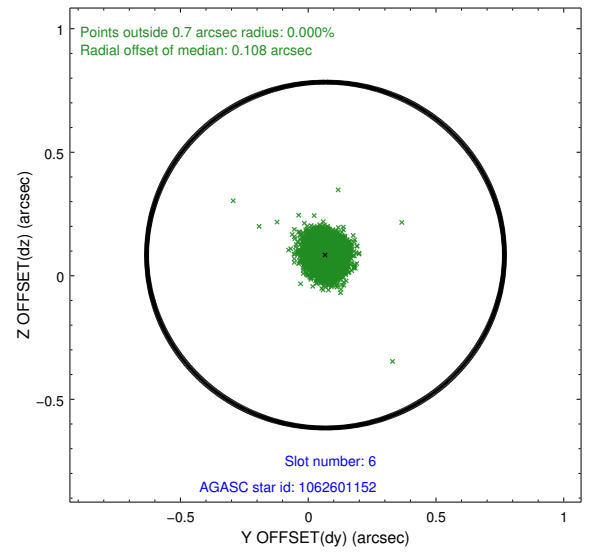
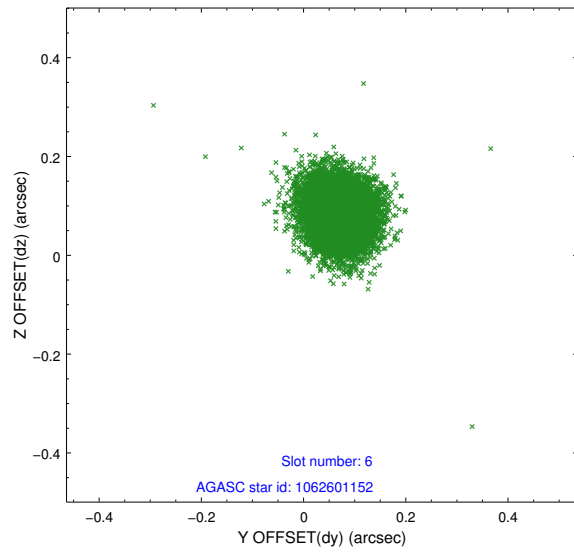
2.4.2 Slot 4



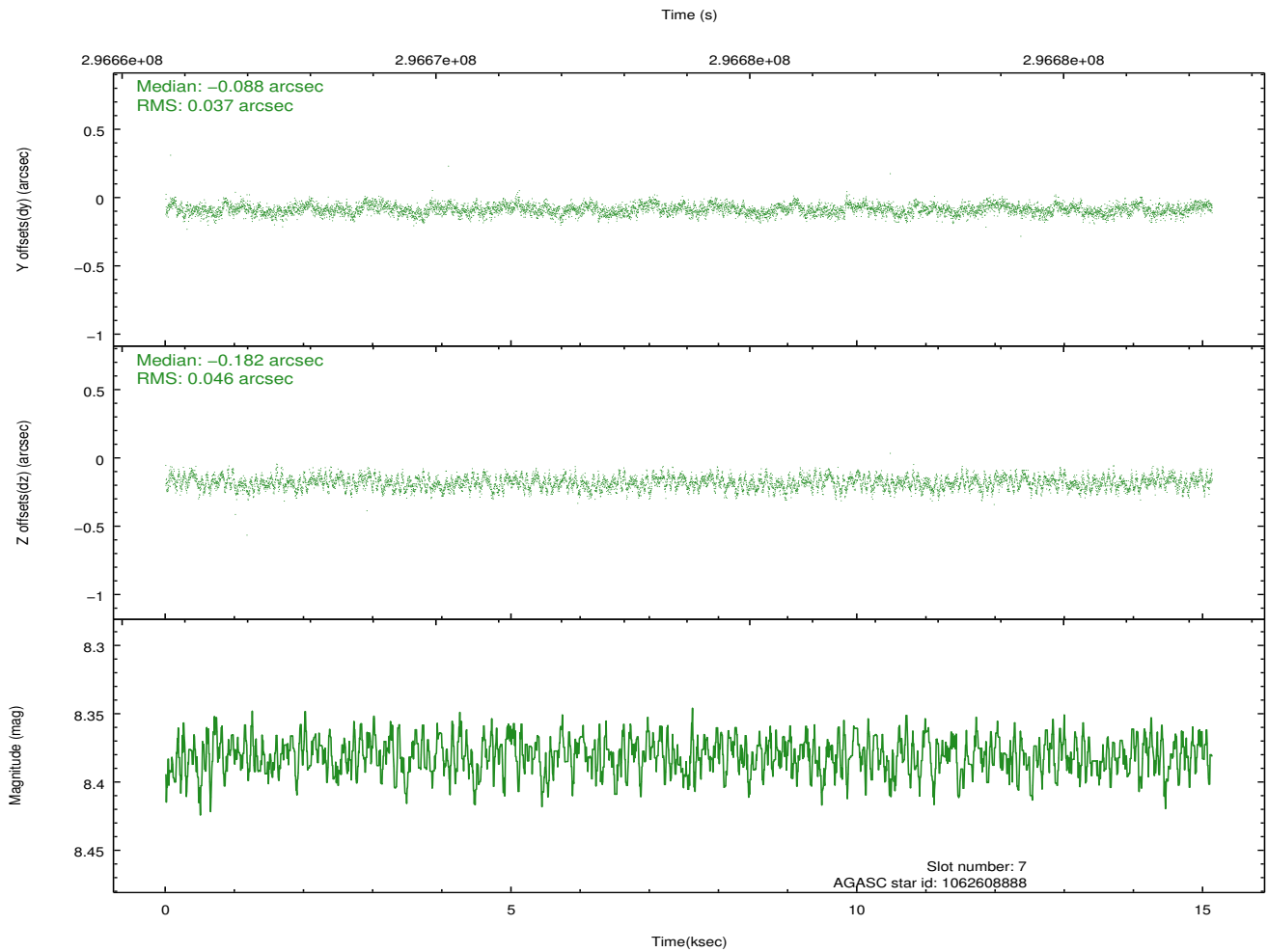
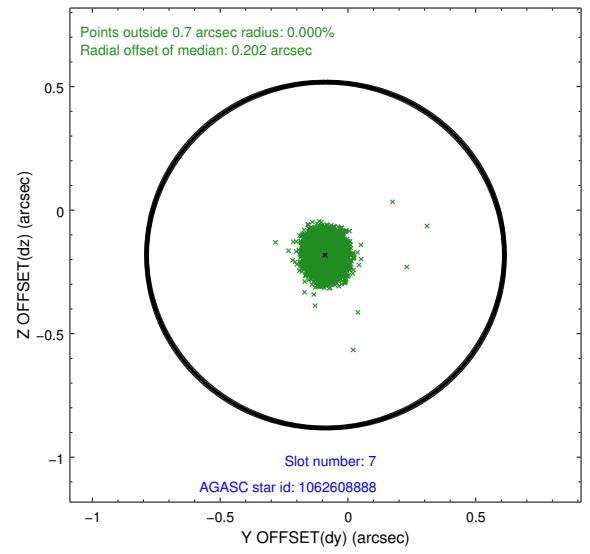
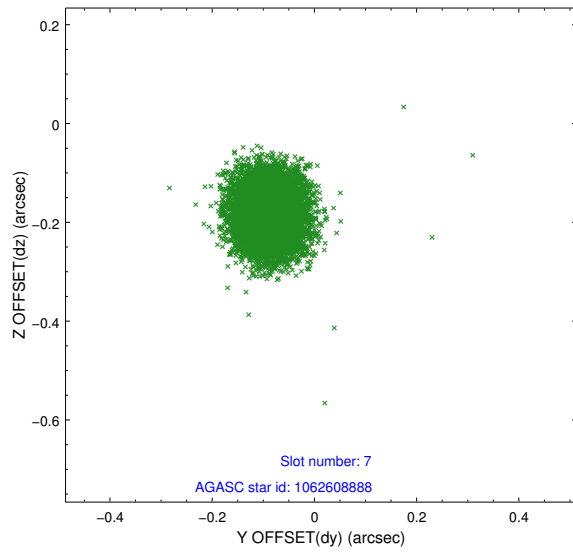
2.4.3 Slot 5



2.4.4 Slot 6

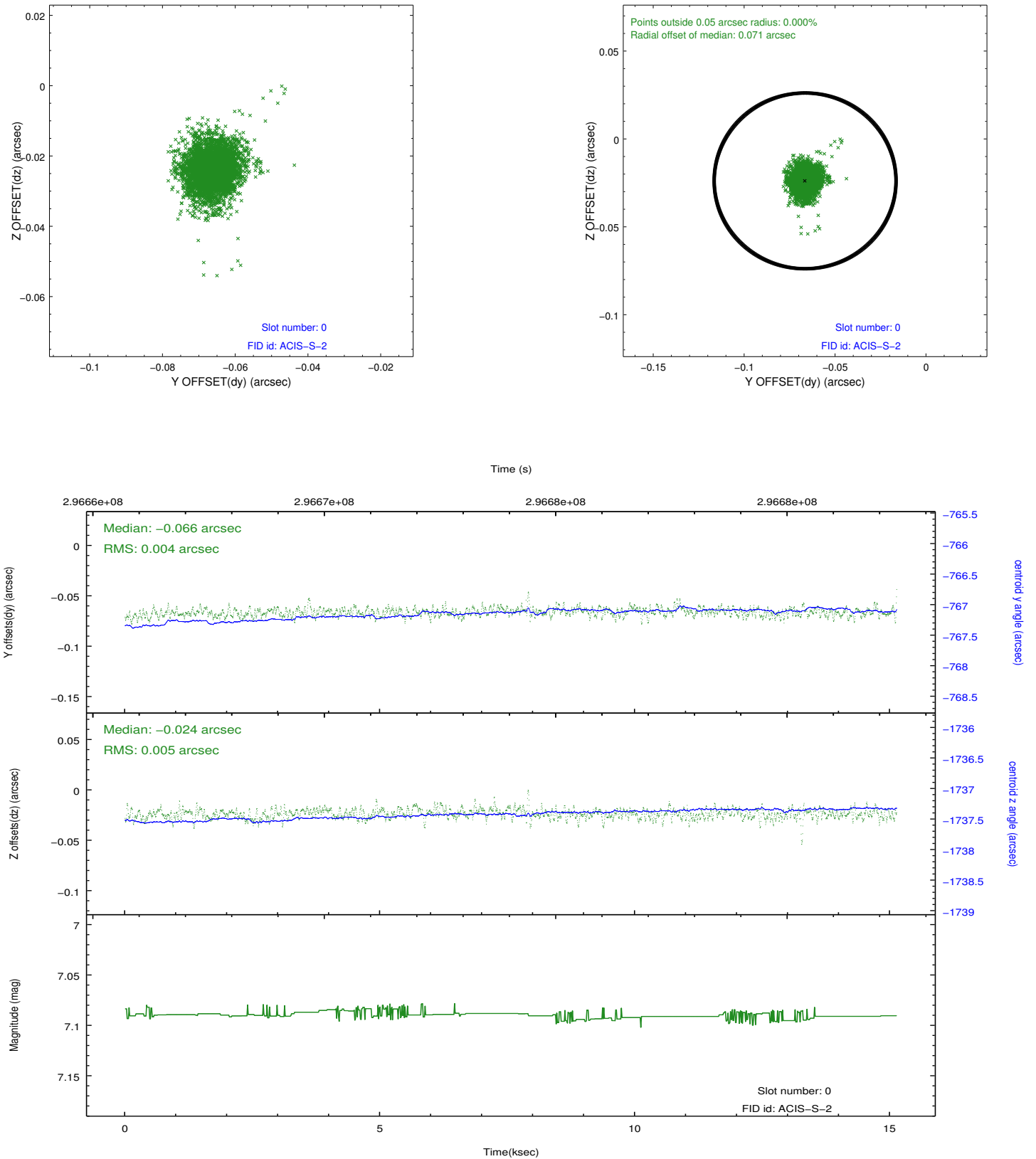


2.4.5 Slot 7

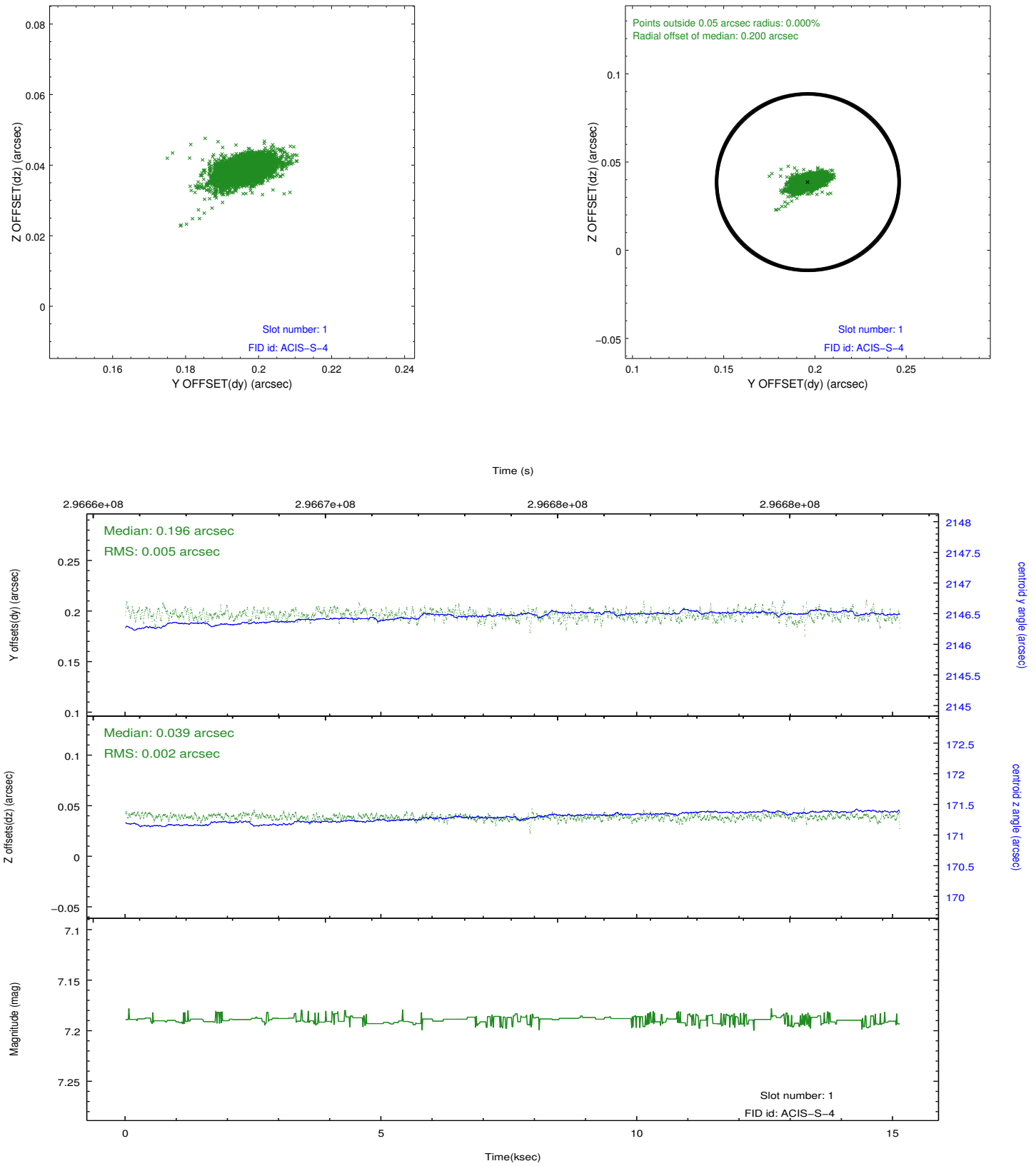


2.5 FID Slots

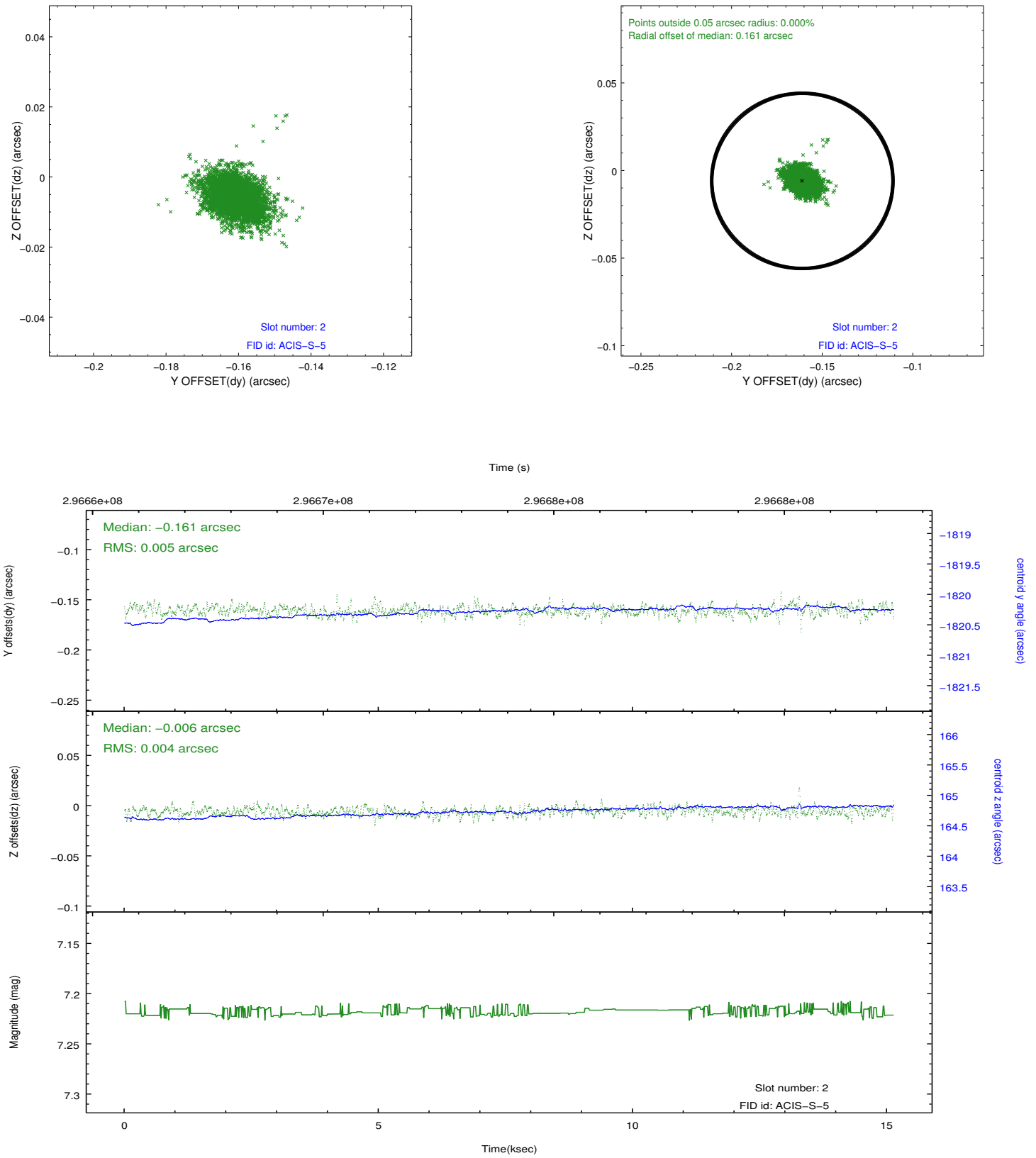
2.5.1 Slot 0



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)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.7551999

A.2 Comments