

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9223 - L2 Version 2
Chandra X-Ray Center

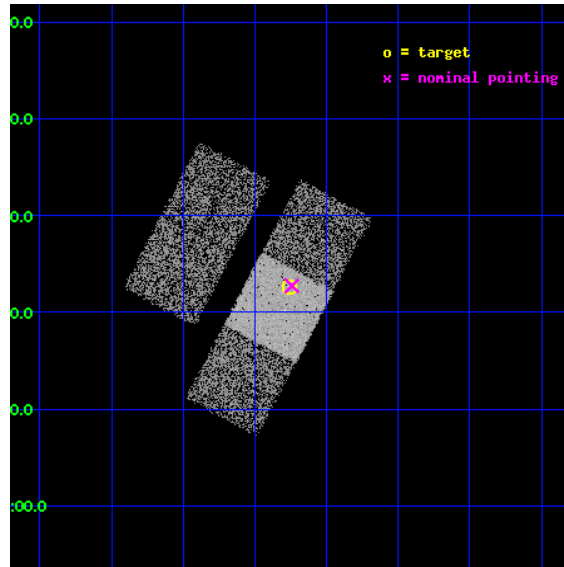
L2 Processing Date : May 16 2012

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

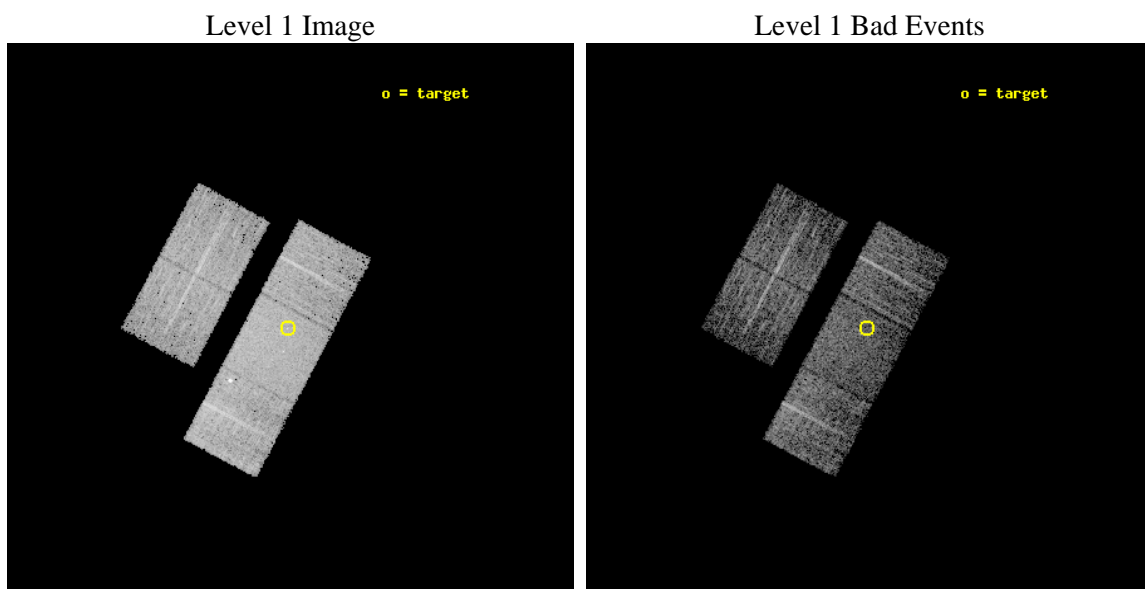
seq_num	701664	Sequence number
obs_id	9223	Observation id
title	Deconstructing the Accretion Disk Wind in Quasars	Proposal title
observer	Dr. Gordon Richards	Principal investigator
object	SDSS J0208+0022	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	32.189583	Observer's specified target RA [deg]
dec_targ	0.376667	Observer's specified target Dec [deg]
ra_nom	32.185388843808	Nominal RA [deg]
dec_nom	0.37908567481646	Nominal Dec [deg]
roll_nom	117.96547658223	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3534.0000271797	Sum of GTIs [s]
livetime	3487.8257151316	Livetime [s]
ontime2	3534.0000271797	Sum of GTIs [s]
ontime3	3534.0000271797	Sum of GTIs [s]
ontime6	3534.0000271797	Sum of GTIs [s]
ontime7	3534.0000271797	Sum of GTIs [s]
ontime8	3534.0000271797	Sum of GTIs [s]
l2events	33404	Number of level 2 events



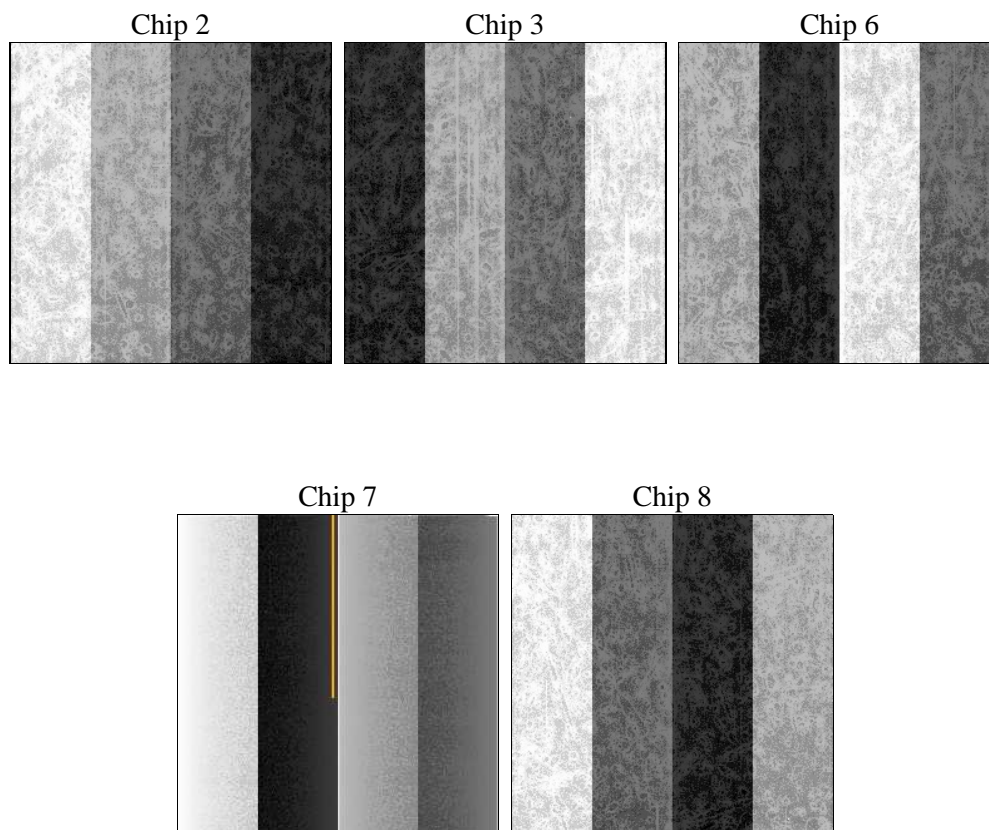
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3501.067000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3534.0000271797	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3534.0000271797	Sum of GTIs [s]
date	2012-05-16T14:36:41	Date and time of file creation	ontime3	3534.0000271797	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3534.0000271797	Sum of GTIs [s]
			ontime7	3534.0000271797	Sum of GTIs [s]
			ontime8	3534.0000271797	Sum of GTIs [s]
			l1events	188475	Number of level 1 events

2.1.4 Events

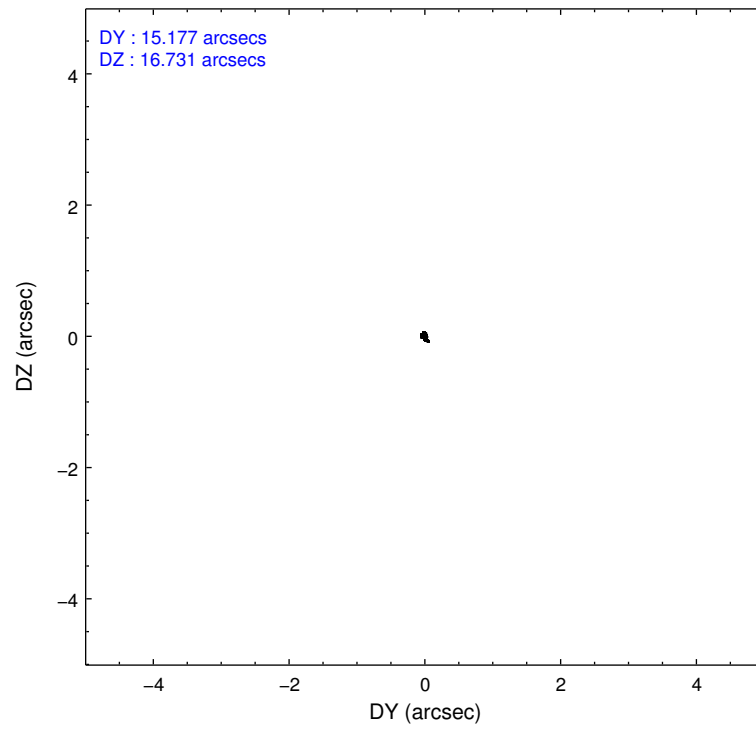
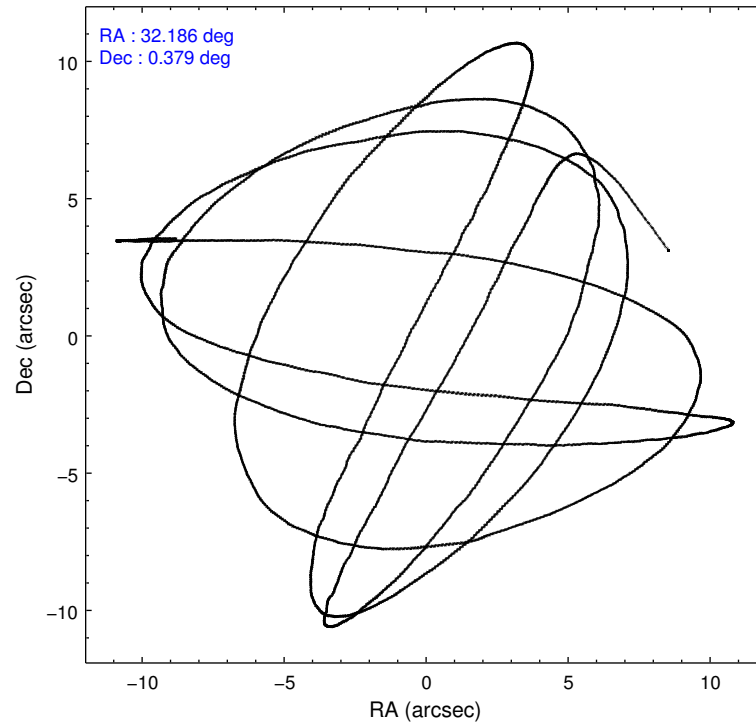
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	32318	31936	33566	46247	44408
rejected events	28355	27836	29445	27063	33733
rejected %	87%	87%	87%	58%	75%

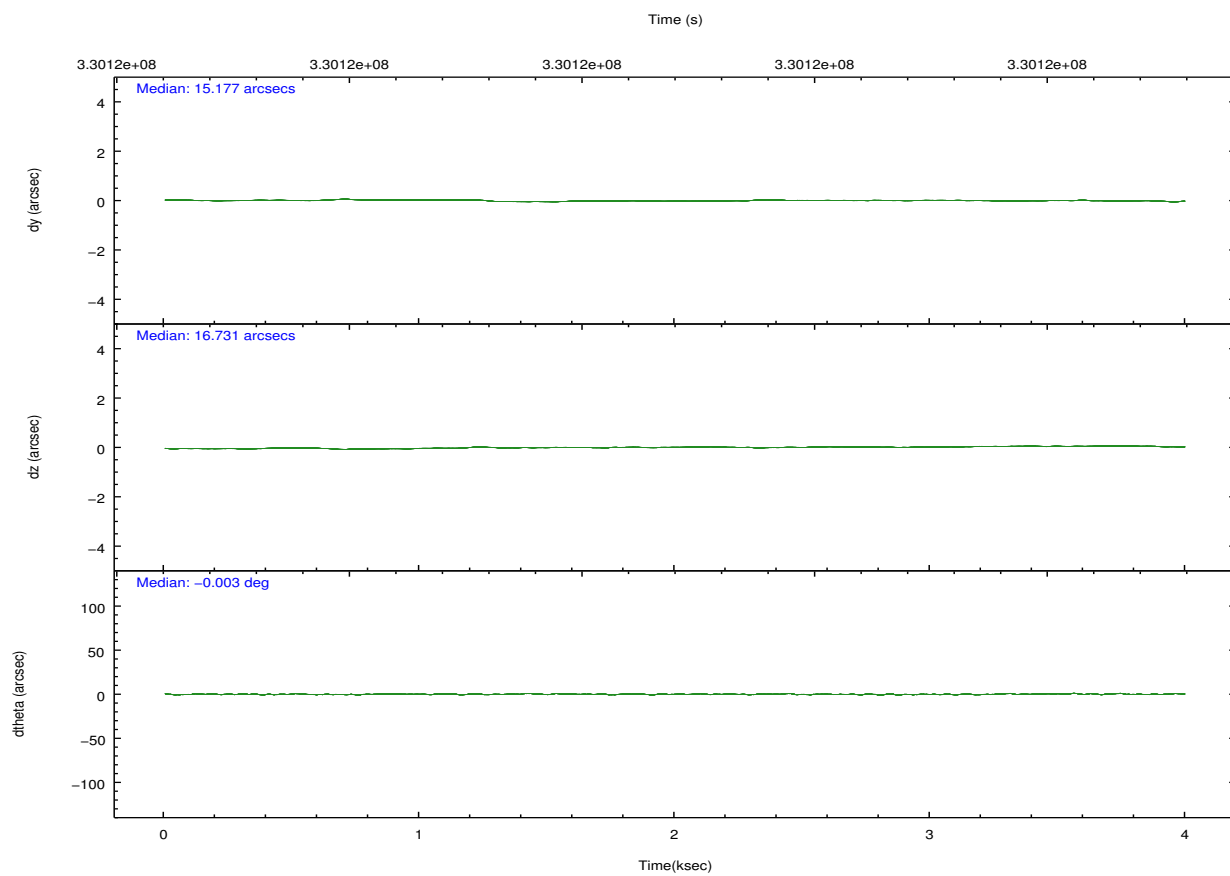
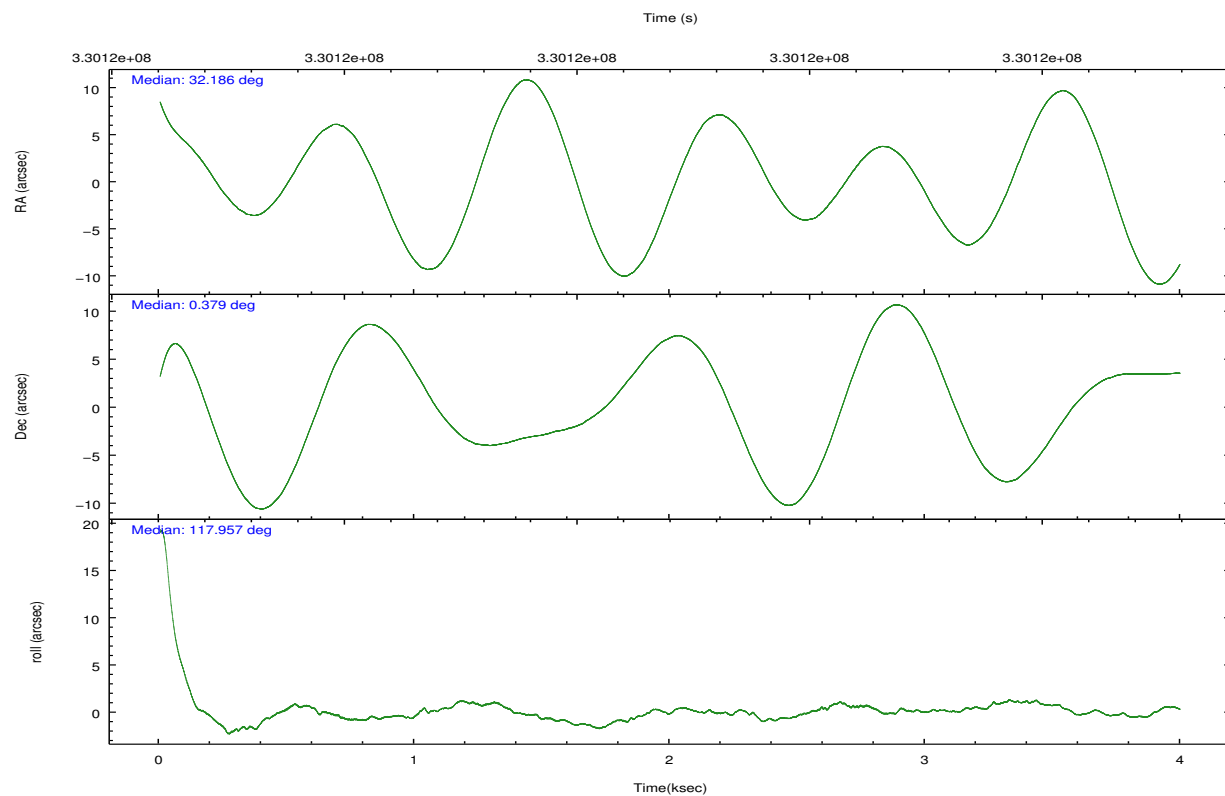
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1734	1799	1566	1715	4034
	5%	5%	4%	3%	9%
grade 1 events	19	19	12	41	30
	0%	0%	0%	0%	0%
grade 2 events	849	775	916	3904	2144
	2%	2%	2%	8%	4%
grade 3 events	355	403	385	1587	1037
	1%	1%	1%	3%	2%
grade 4 events	367	397	402	1630	968
	1%	1%	1%	3%	2%
grade 5 events	1317	1581	1637	4324	2148
	4%	4%	4%	9%	4%
grade 6 events	660	728	857	10366	2498
	2%	2%	2%	22%	5%
grade 7 events	27017	26234	27791	22680	31549
	83%	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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	32.208775	32.18538884380778	CCD I2 on	O1	Y
[deg] Pointing Dec	0.364932	0.3790856748164642	CCD I3 on	Y	Y
[deg] Pointing Roll	117.808652	117.9654765822261	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	330118900.184000	330117817.43735	CCD S5 on	N	N
Observation start date	2008-06-17T19:40:35	2008-06-17T19:23:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	330122401.184000	330122625.71259	On-chip summing requested	N	N
Observation end date	2008-06-17T20:38:56	2008-06-17T20:43:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



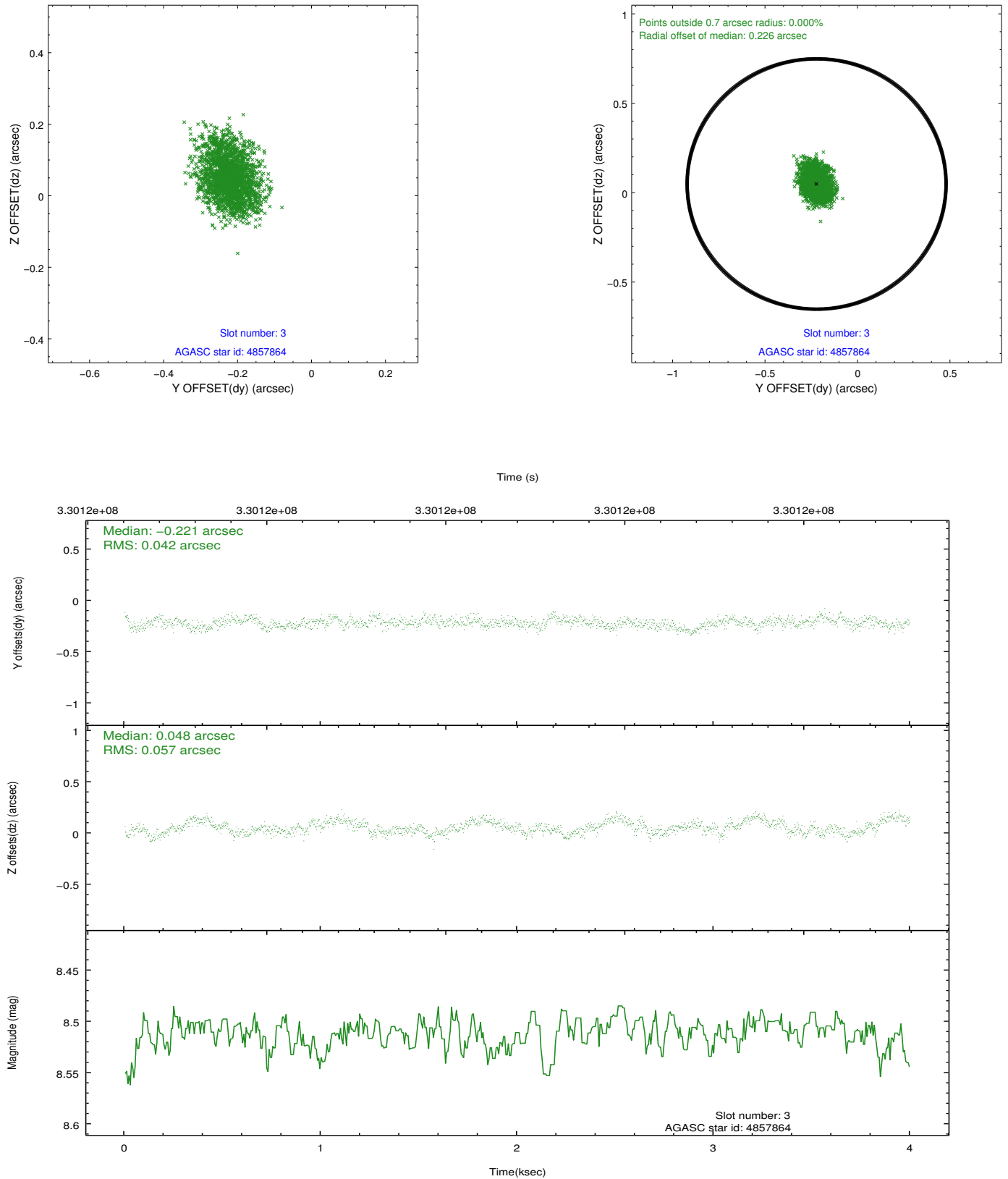


Slot Statistics

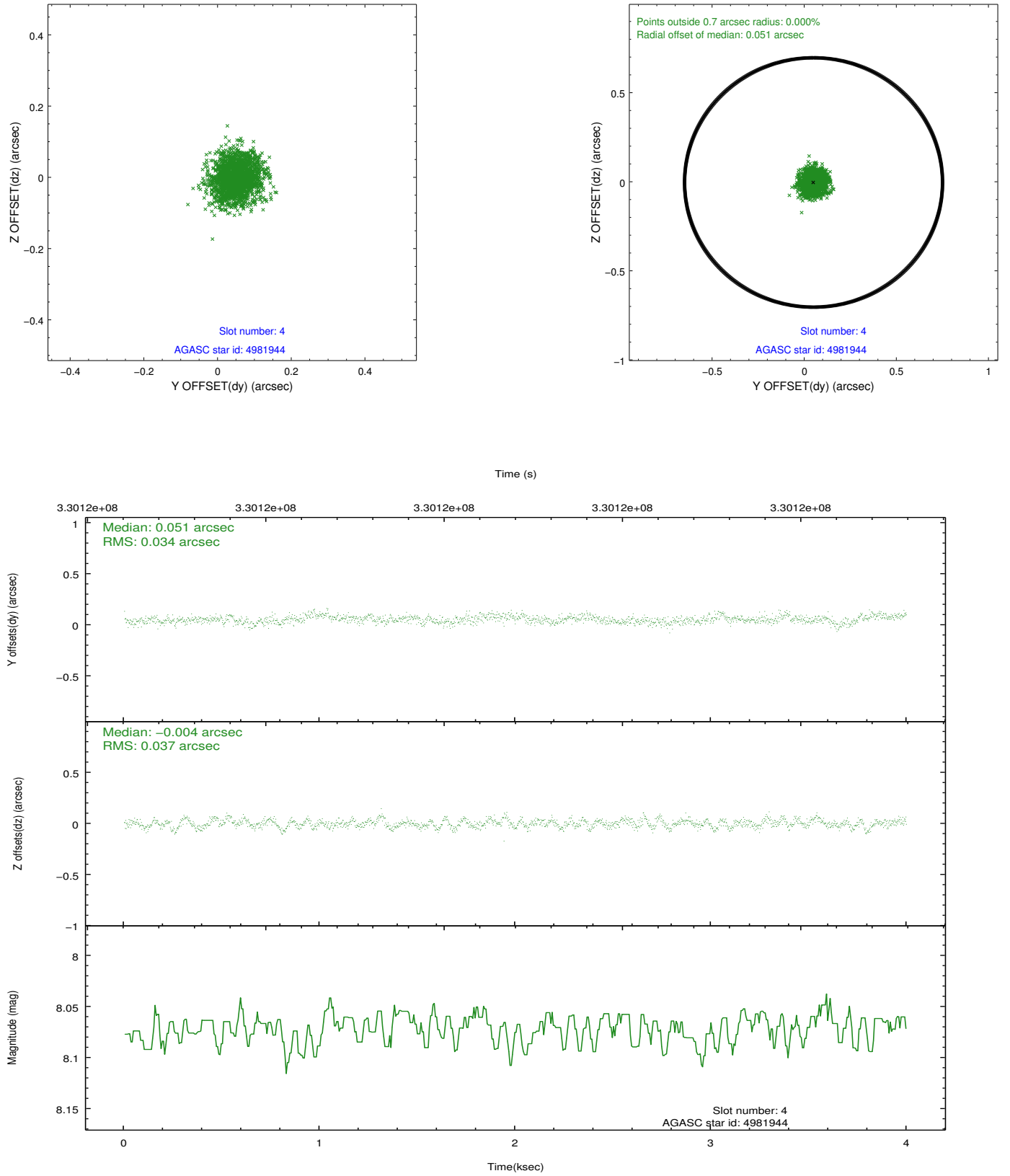
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	975	-0.056	0.005	0.006	0.011	0.000000	0.000000	-768.23	-1738.14
1	FID	ACIS-S-4	6.94	975	0.109	0.026	0.005	0.009	0.000000	0.000000	2144.52	168.70
2	FID	ACIS-S-5	6.98	975	-0.085	-0.022	0.005	0.010	0.000000	0.000000	-1819.07	164.16
3	GUIDE	4857864	8.51	1950	-0.221	0.048	0.078	0.119	32.433296	0.797044	999.18	-1440.06
4	GUIDE	4981944	8.07	1950	0.051	-0.004	0.054	0.087	32.552714	0.494378	-164.39	-1312.97
5	GUIDE	4984112	8.05	1948	-0.037	0.208	0.108	0.157	32.933733	0.223546	-1667.28	-2071.41
6	GUIDE	614728296	8.48	1950	0.154	0.062	0.070	0.107	32.601360	-0.092275	-2115.93	-482.77
7	GUIDE	614605504	7.28	1949	0.044	-0.327	0.068	0.117	32.113697	-0.419301	-2338.49	1619.18

2.4 Star Slots

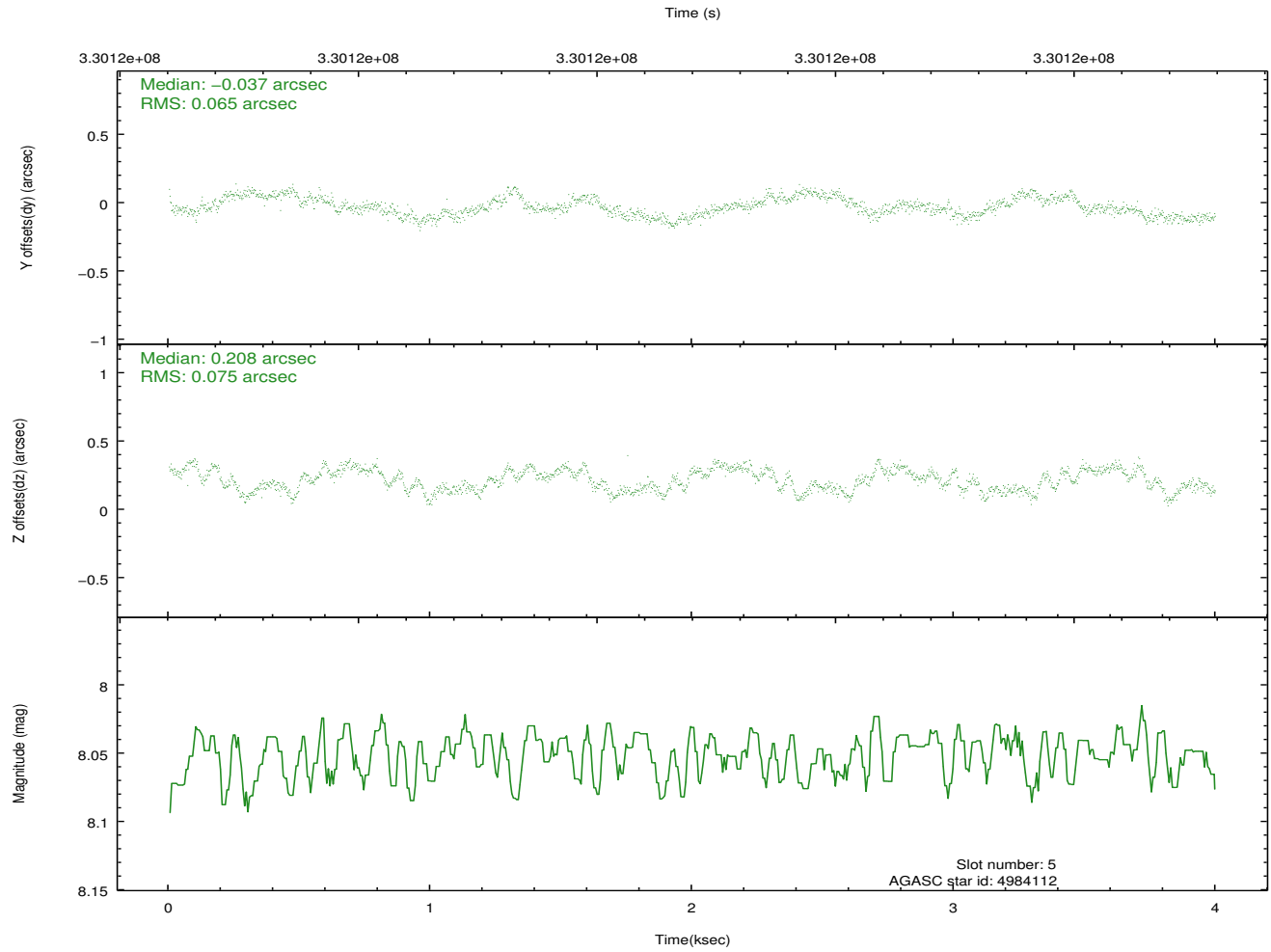
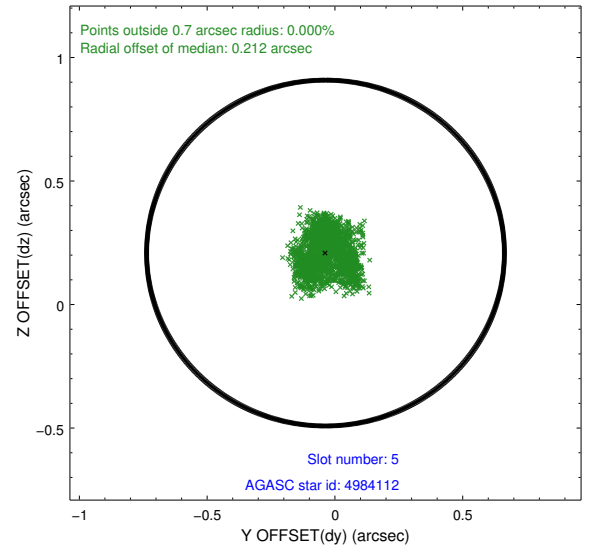
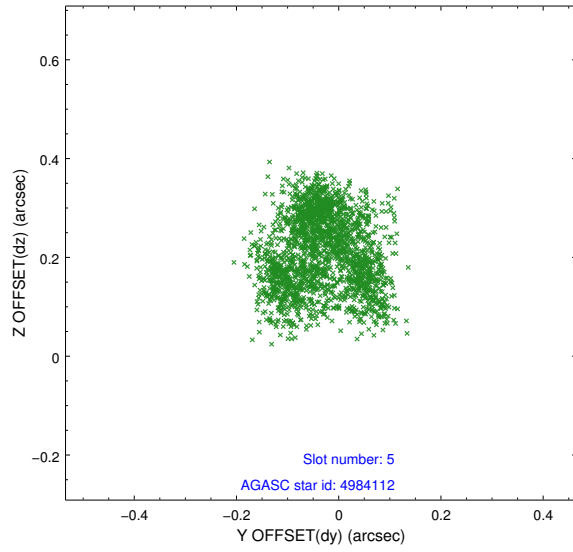
2.4.1 Slot 3



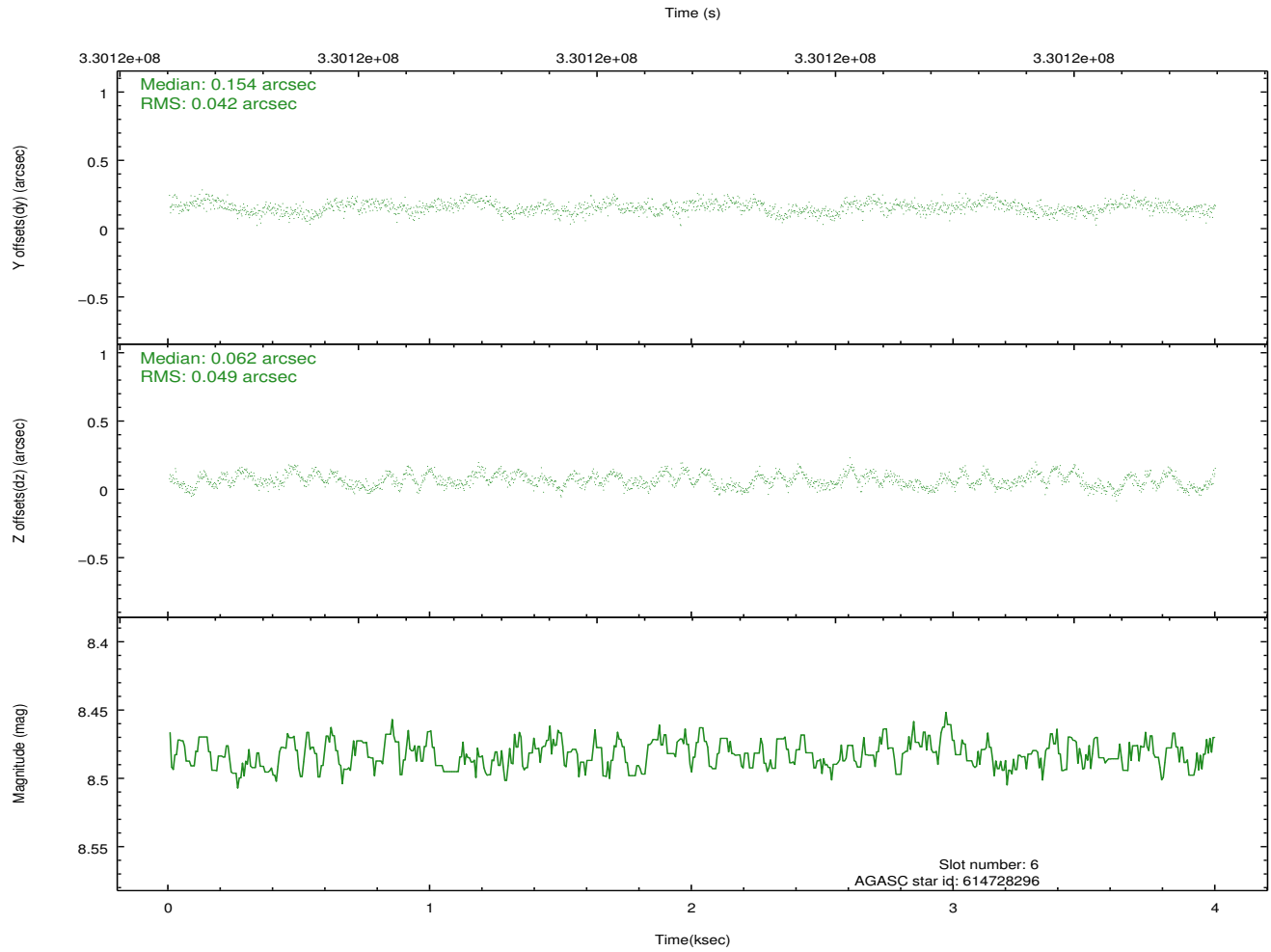
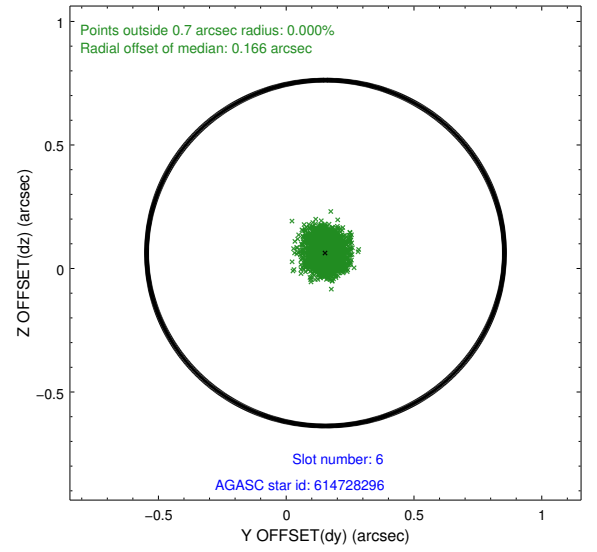
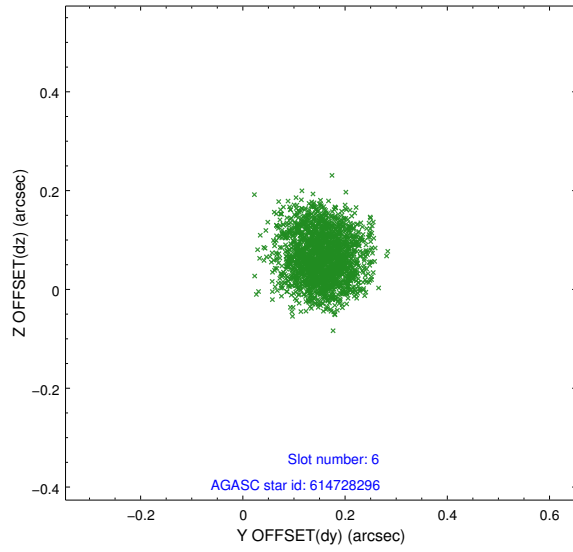
2.4.2 Slot 4



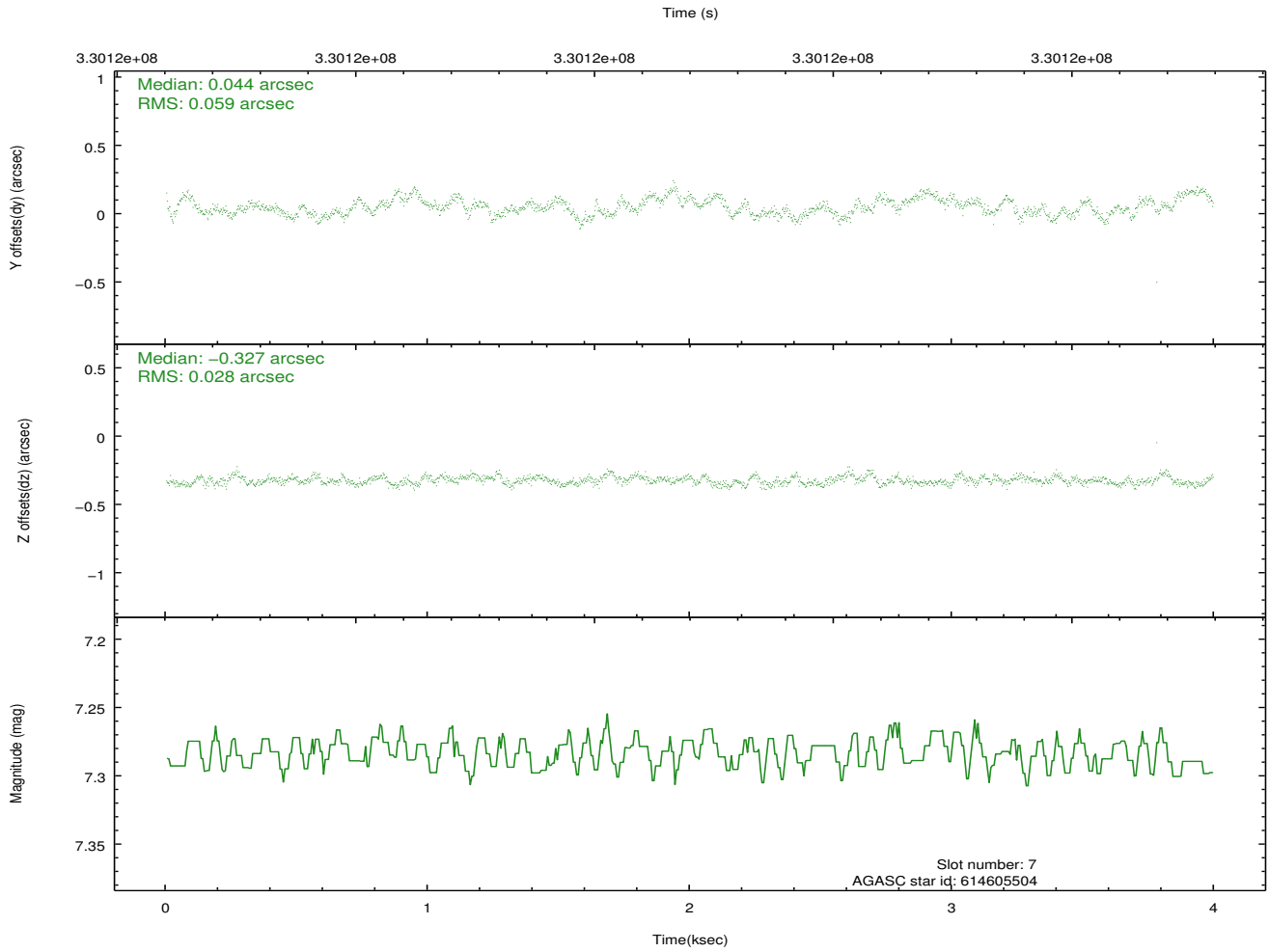
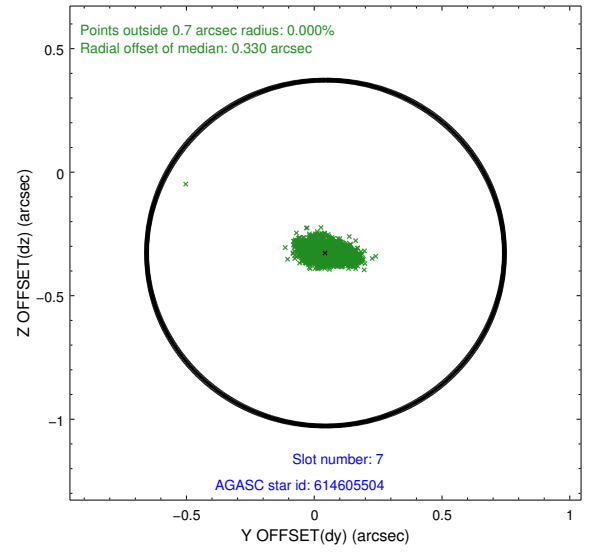
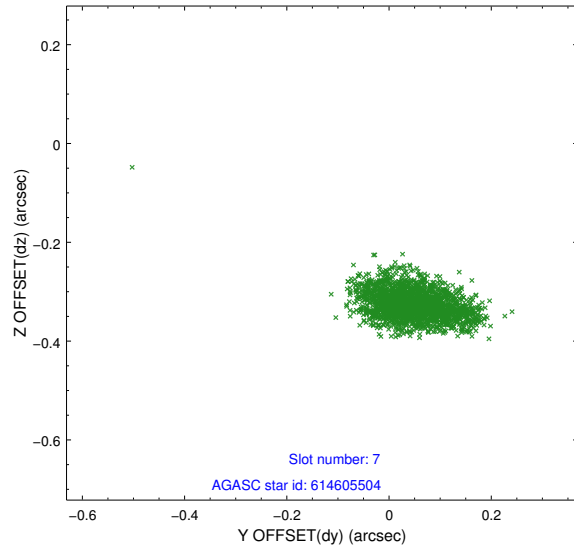
2.4.3 Slot 5



2.4.4 Slot 6

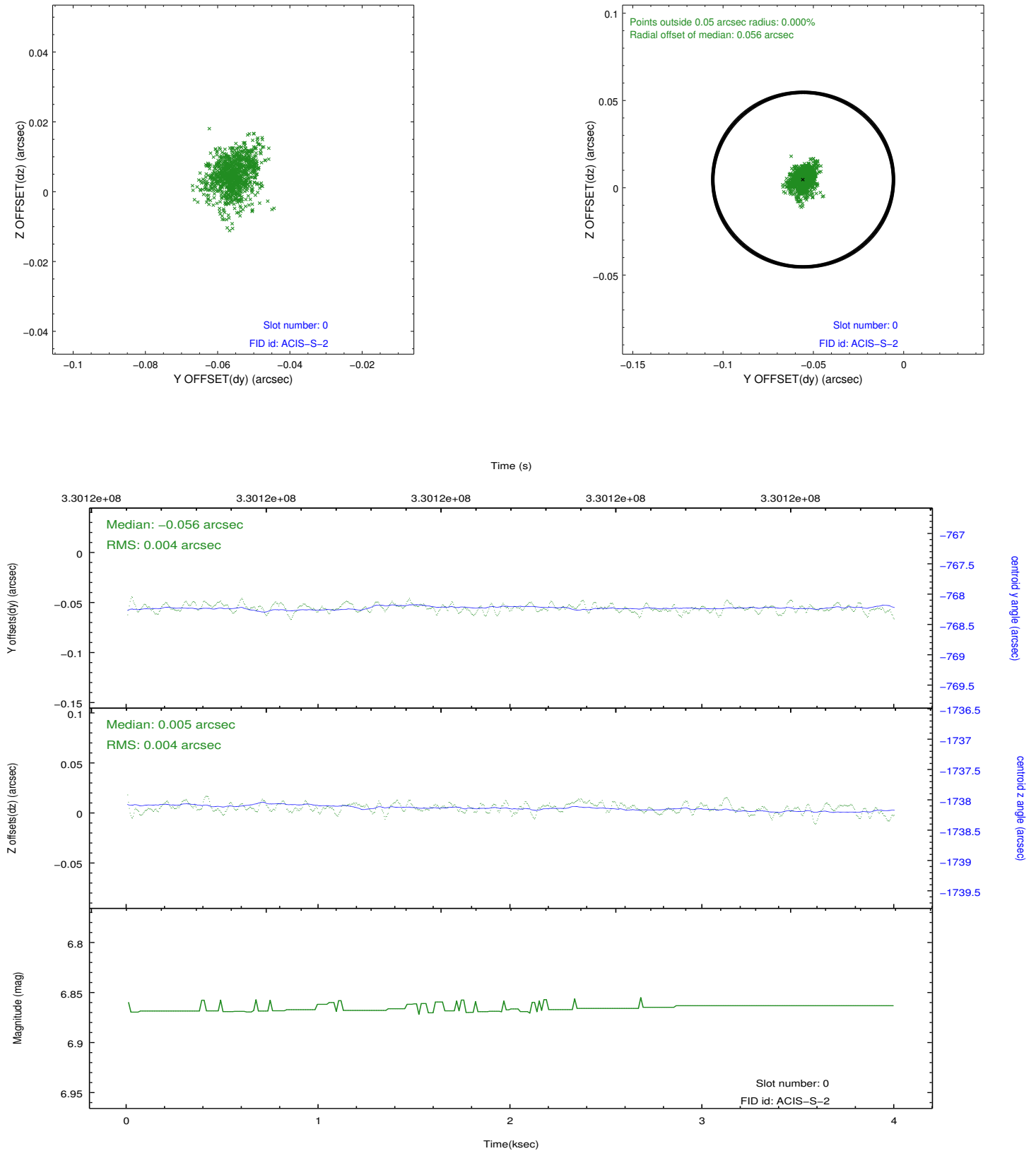


2.4.5 Slot 7

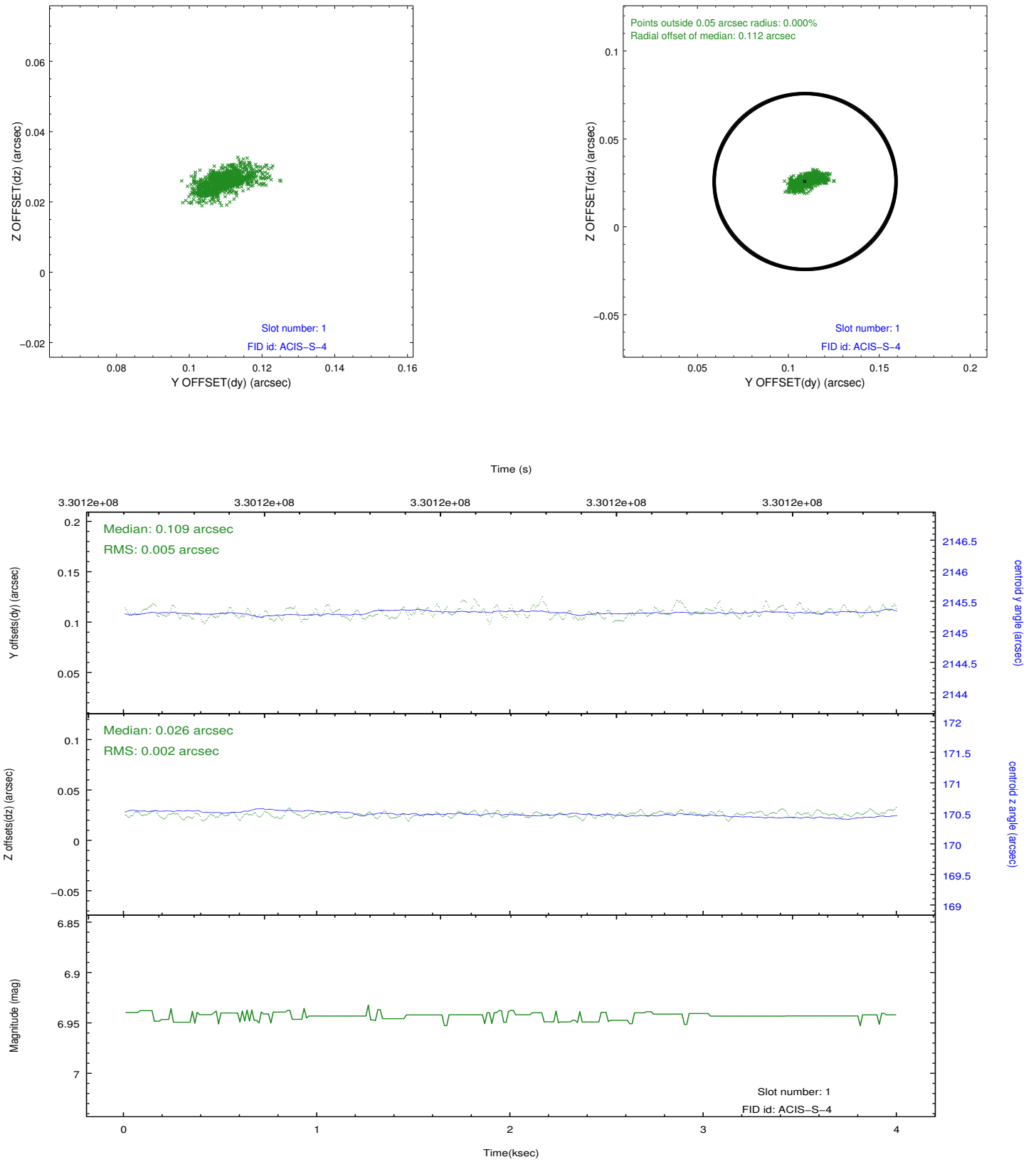


2.5 FID Slots

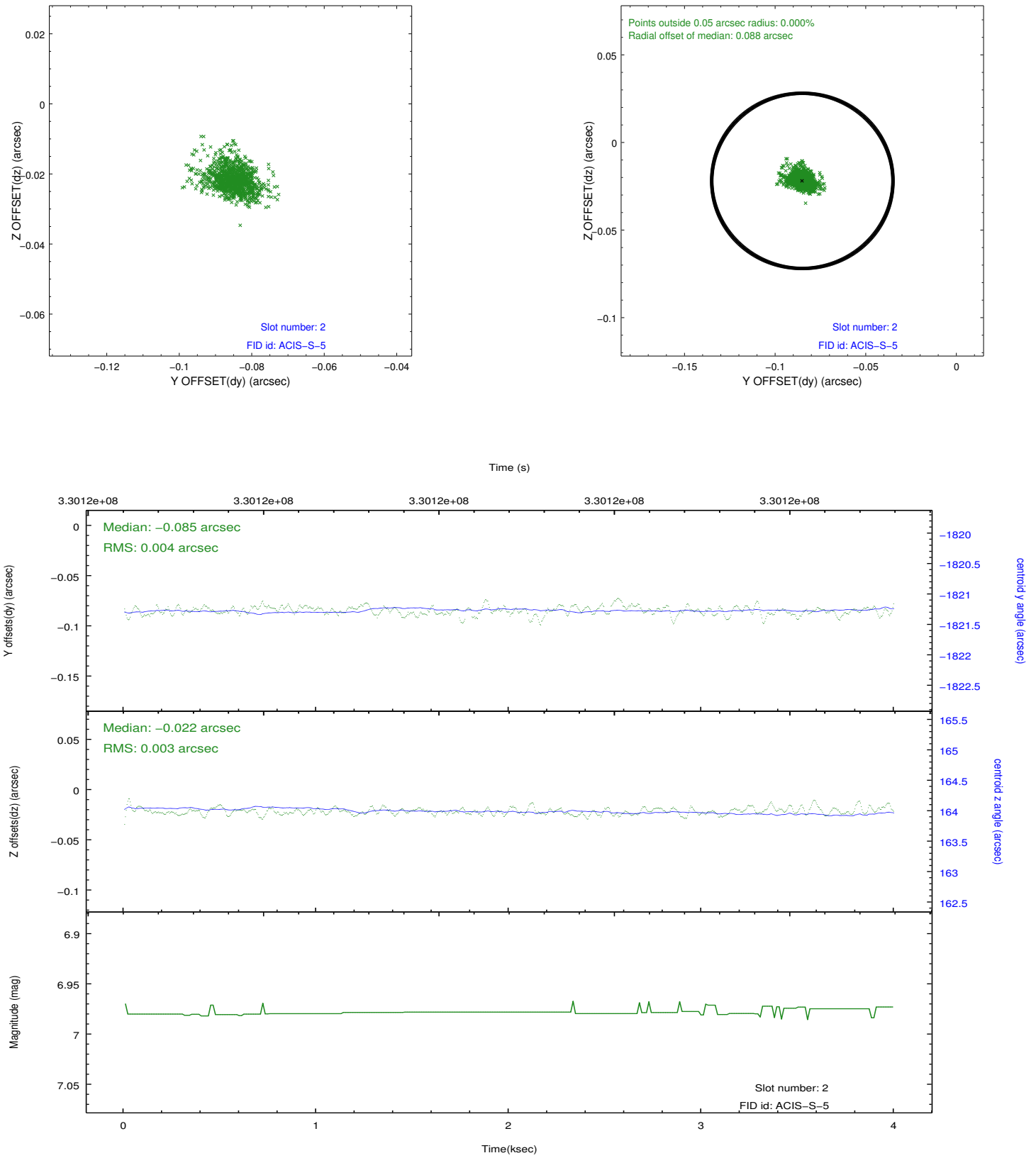
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.53400002

A.2 Comments