

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10356 - L2 Version 2
Chandra X-Ray Center

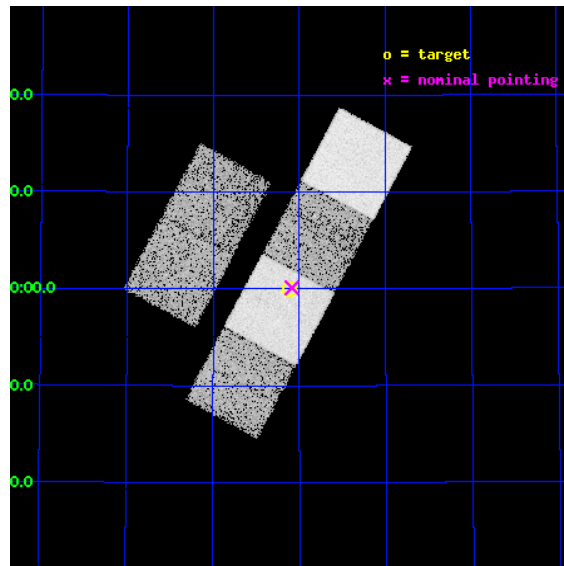
L2 Processing Date : May 30 2012

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

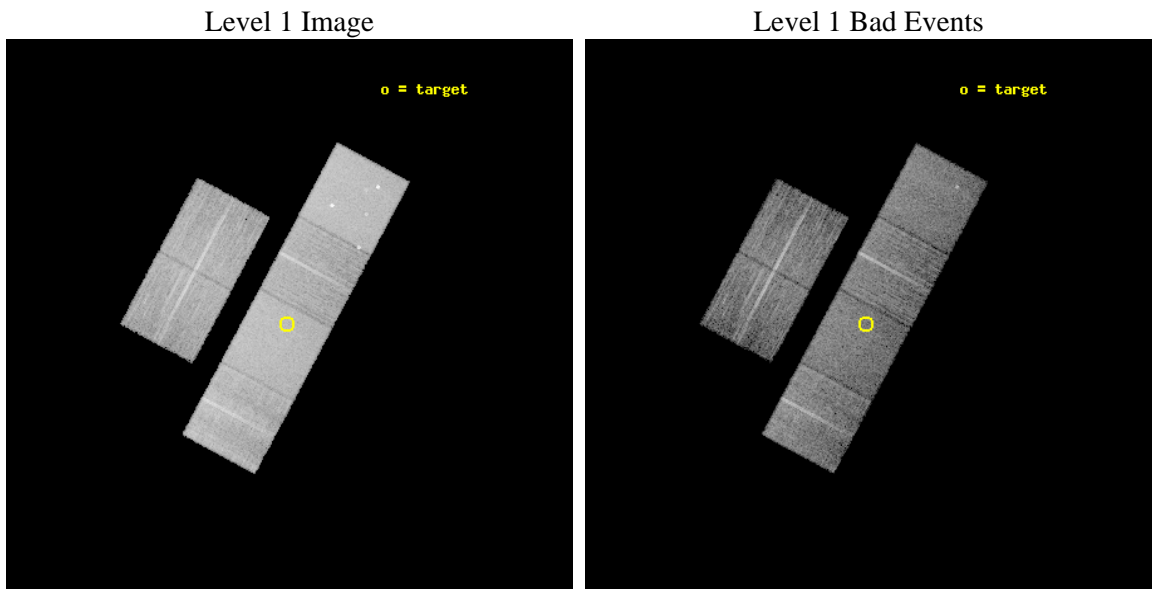
seq_num	701899	Sequence number
obs_id	10356	Observation id
title	Testing the Radiative-Driving Hypothesis of Quasar Outflows	Propos
observer	Dr. Rajib Ganguly	Principal investigator
object	SDSS J1134+5259	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	173.52875	Observer's specified target RA [deg]
dec_targ	52.999722	Observer's specified target Dec [deg]
ra_nom	173.52179050959	Nominal RA [deg]
dec_nom	53.002076509455	Nominal Dec [deg]
roll_nom	118.16223458753	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7951.2725652456	Sum of GTIs [s]
livetime	7850.5887643429	Livetime [s]
ontime2	7951.3136052489	Sum of GTIs [s]
ontime3	7951.1494452357	Sum of GTIs [s]
ontime5	7951.2315252423	Sum of GTIs [s]
ontime6	7951.190485239	Sum of GTIs [s]
ontime7	7951.2725652456	Sum of GTIs [s]
ontime8	7951.1084052324	Sum of GTIs [s]
l2events	136285	Number of level 2 events



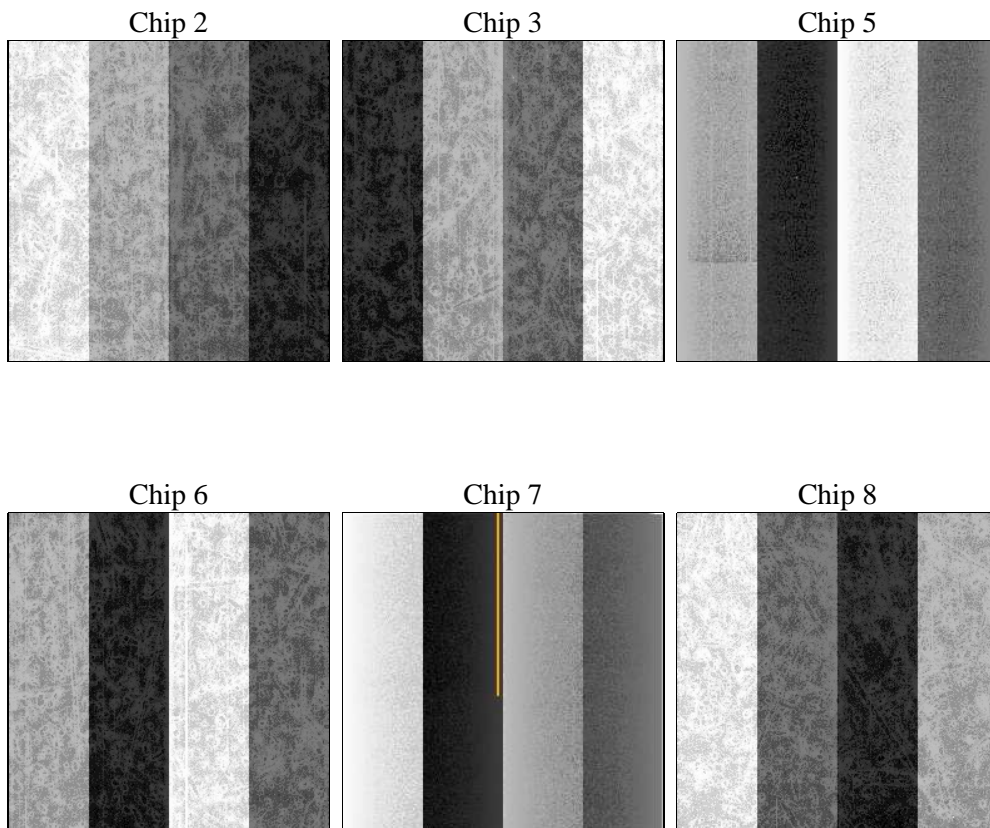
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7951.2725652456	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	7951.3136052489	Sum of GTIs [s]
date	2012-05-30T05:34:15	Date and time of file creation	ontime3	7951.1494452357	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7951.2315252423	Sum of GTIs [s]
			ontime6	7951.190485239	Sum of GTIs [s]
			ontime7	7951.2725652456	Sum of GTIs [s]
			ontime8	7951.1084052324	Sum of GTIs [s]
			l1events	587355	Number of level 1 events

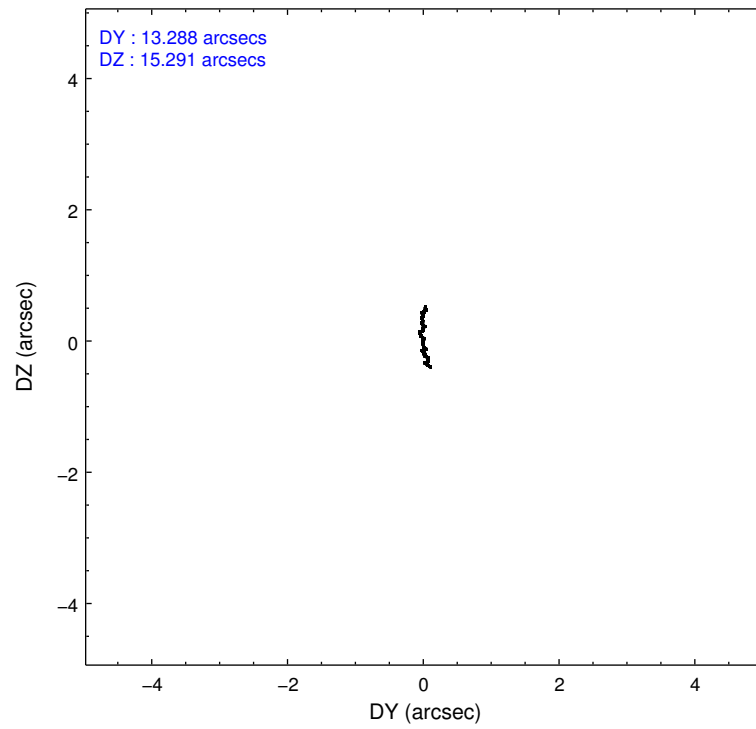
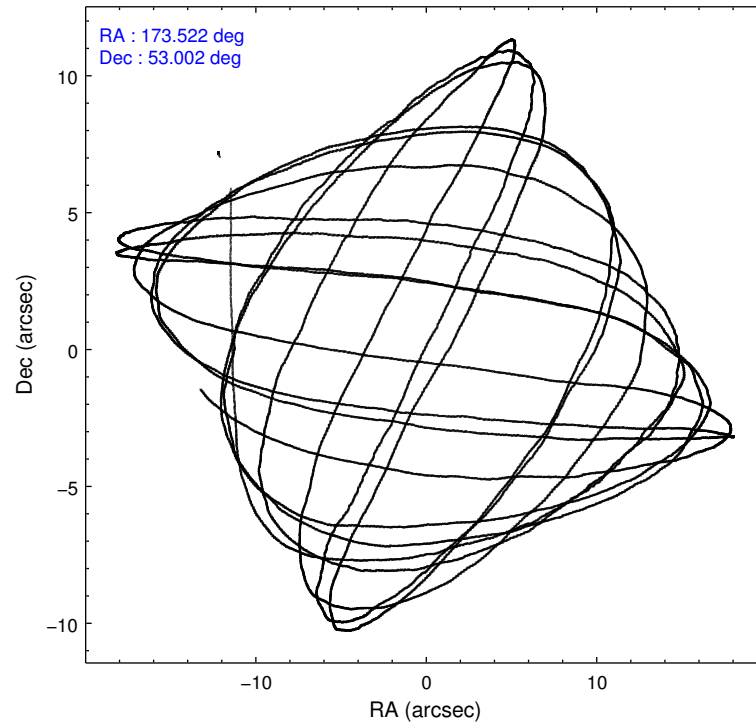
2.1.4 Events

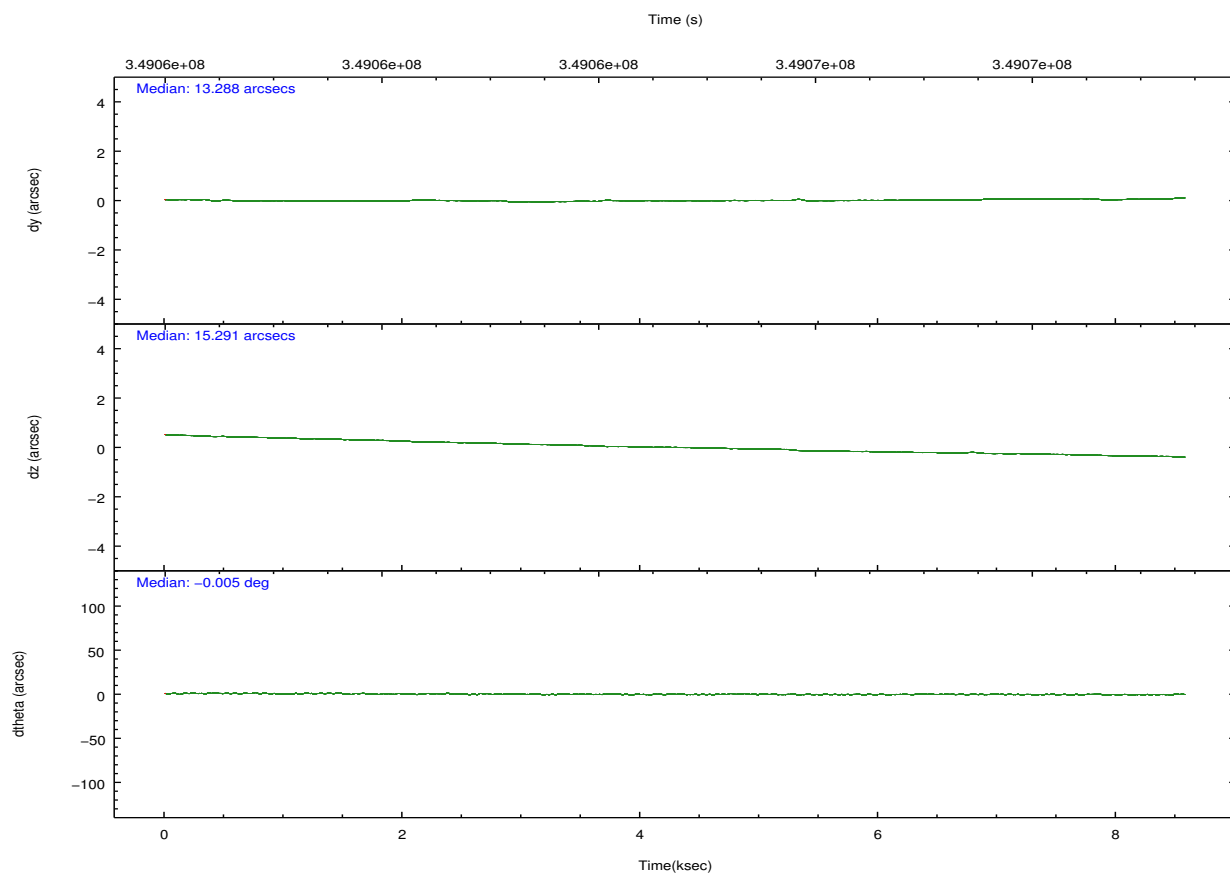
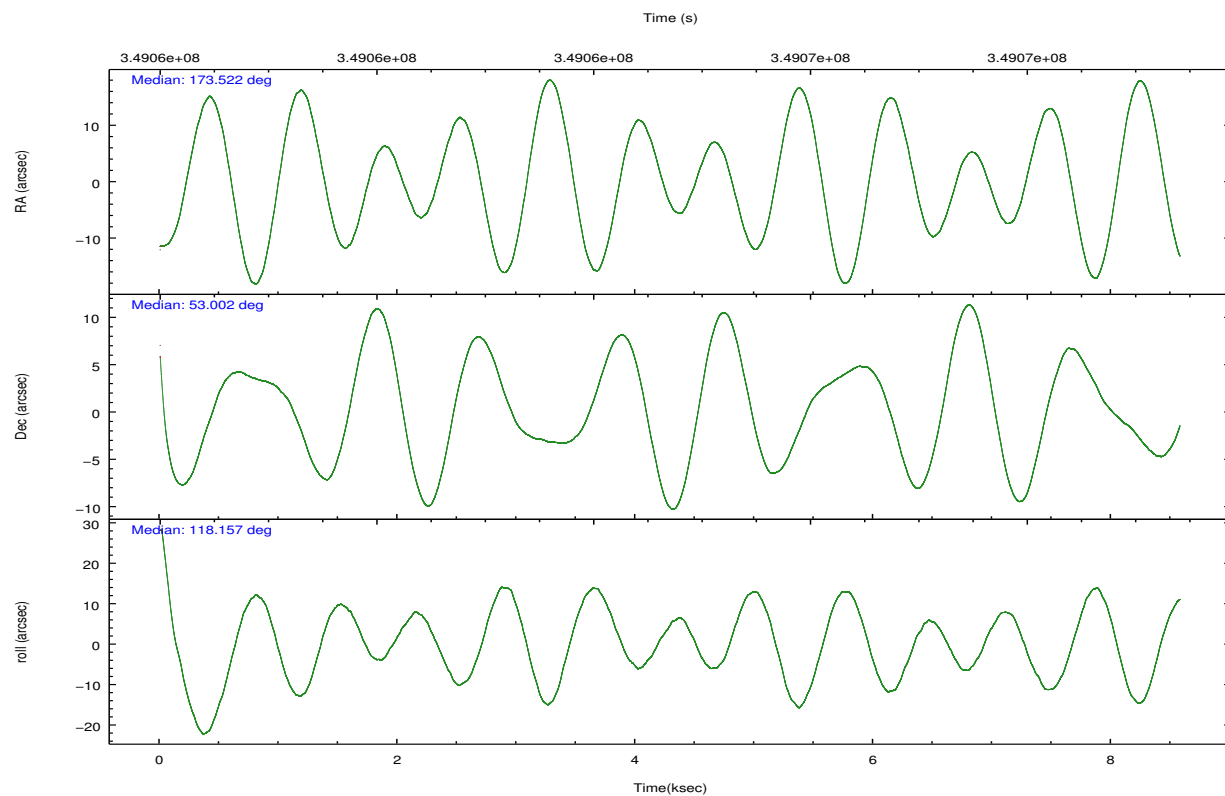
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	82319	76992	128136	81985	113329	104594	grade 0 events	3975	4232	5845	3895	3976	7557
rejected events	72750	67415	68409	72200	66105	79686		4%	5%	4%	4%	3%	7%
rejected %	88%	87%	53%	88%	58%	76%	grade 1 events	66	53	197	43	108	94
								0%	0%	0%	0%	0%	0%
							grade 2 events	2148	1871	18672	2132	9606	5832
								2%	2%	14%	2%	8%	5%
							grade 3 events	918	909	2065	890	4076	2589
								1%	1%	1%	1%	3%	2%
							grade 4 events	926	877	2008	886	3883	2397
								1%	1%	1%	1%	3%	2%
							grade 5 events	3366	3785	8946	3763	10704	5292
								4%	4%	6%	4%	9%	5%
							grade 6 events	1607	1696	31174	1986	25719	6546
								1%	2%	24%	2%	22%	6%
							grade 7 events	69313	63569	59229	68390	55257	74287
								84%	82%	46%	83%	48%	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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	173.560703	173.5217905095941	CCD I2 on	O1	Y
[deg] Pointing Dec	52.988045	53.00207650945451	CCD I3 on	O2	Y
[deg] Pointing Roll	117.974485	118.1622345875261	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[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)	349061003.184000	349059846.84189	CCD S5 on	N	N
Observation start date	2009-01-23T01:22:17	2009-01-23T01:04:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	349069003.184000	349070314.65491	On-chip summing requested	N	N
Observation end date	2009-01-23T03:35:37	2009-01-23T03:58:34	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



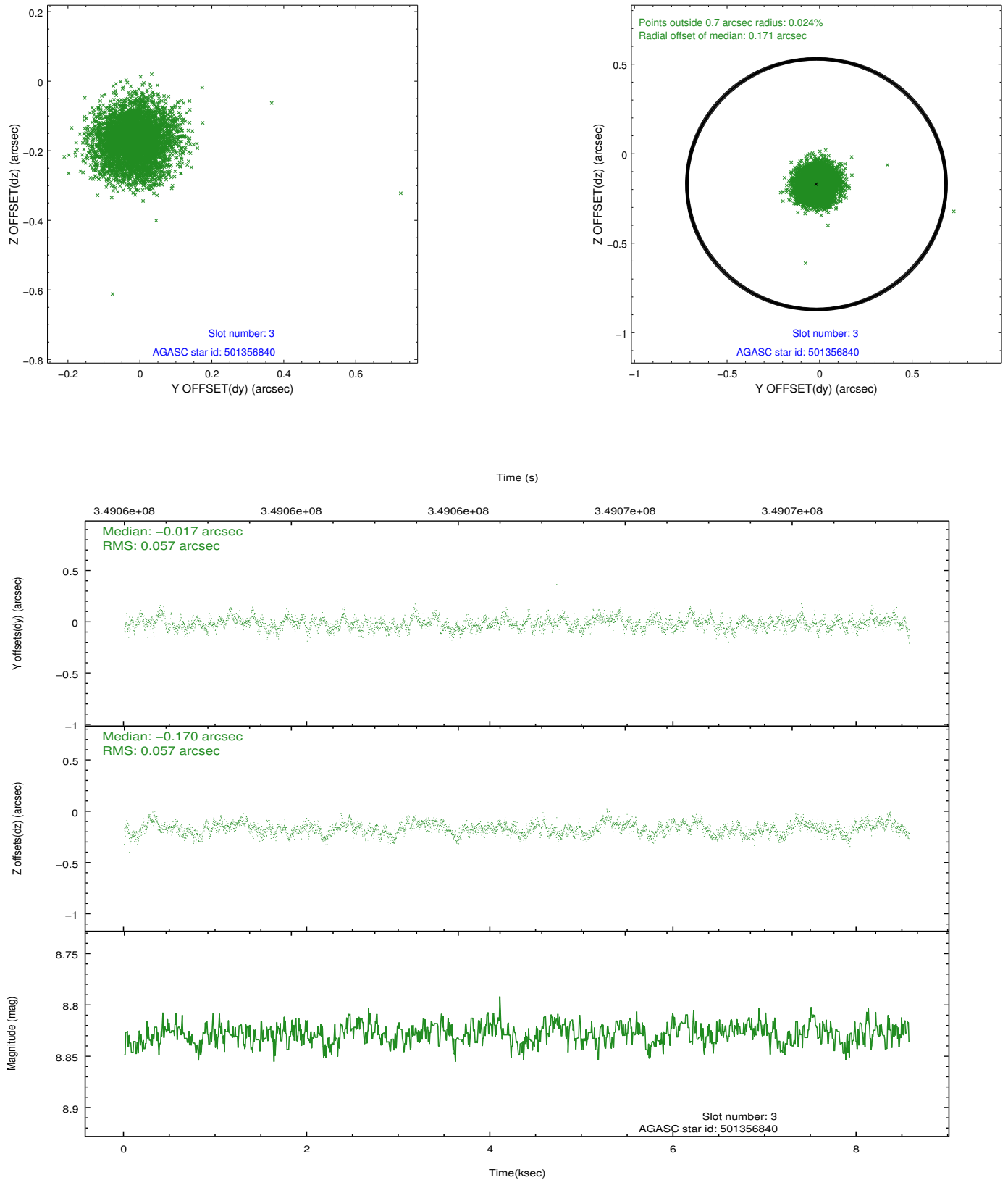


Slot Statistics

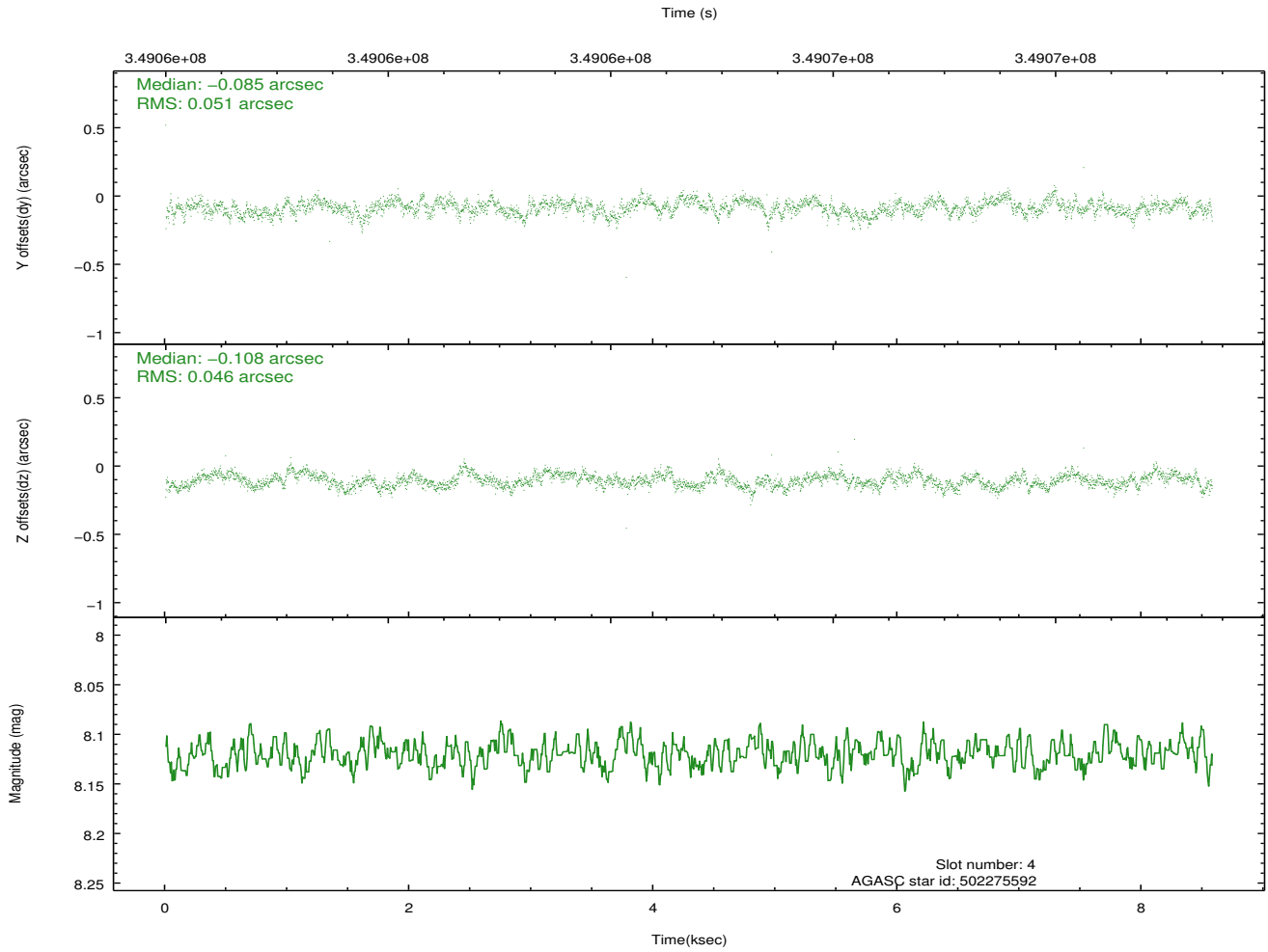
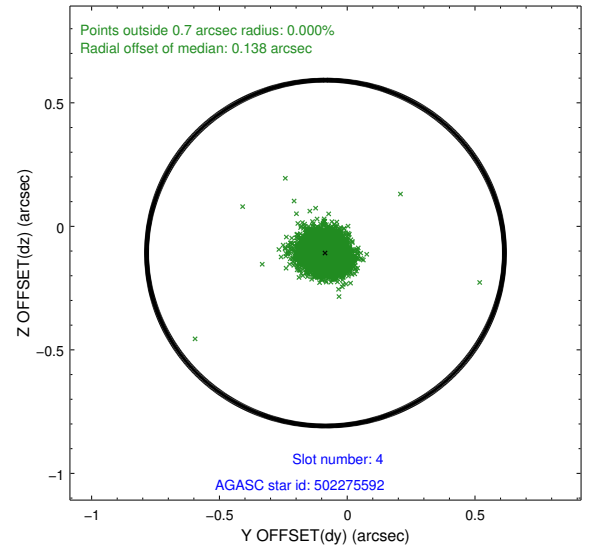
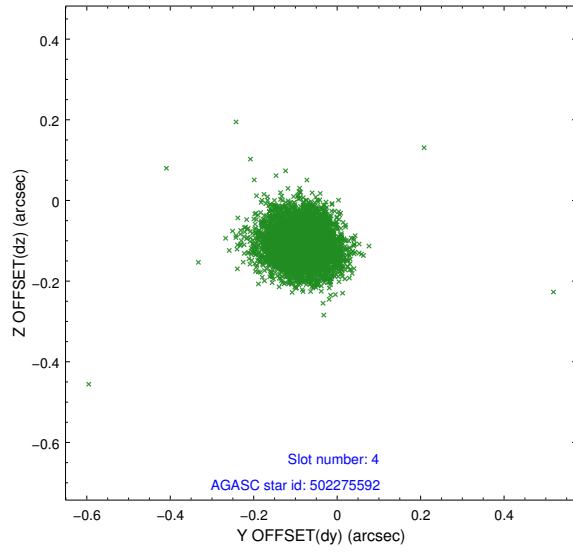
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	2092	-0.052	-0.024	0.007	0.012	0.000000	0.000000	-766.24	-1736.74
1	FID	ACIS-S-4	6.98	2092	0.179	0.032	0.006	0.011	0.000000	0.000000	2146.94	171.18
2	FID	ACIS-S-5	7.01	2092	-0.159	0.001	0.007	0.012	0.000000	0.000000	-1818.40	165.49
3	GUIDE	501356840	8.83	4182	-0.017	-0.170	0.086	0.136	173.237733	52.523714	-1142.92	1407.51
4	GUIDE	502275592	8.12	4183	-0.085	-0.108	0.072	0.112	173.855602	53.574111	1570.25	-1546.06
5	GUIDE	502276664	10.32	4178	0.096	0.238	0.167	0.274	173.373539	53.357604	1365.18	-269.08
6	GUIDE	502277584	9.95	4176	0.066	-0.151	0.225	0.342	173.507956	52.746687	-712.61	508.85
7	GUIDE	502272128	10.03	4174	-0.049	0.194	0.185	0.273	174.817453	52.999753	-1218.32	-2435.49

2.4 Star Slots

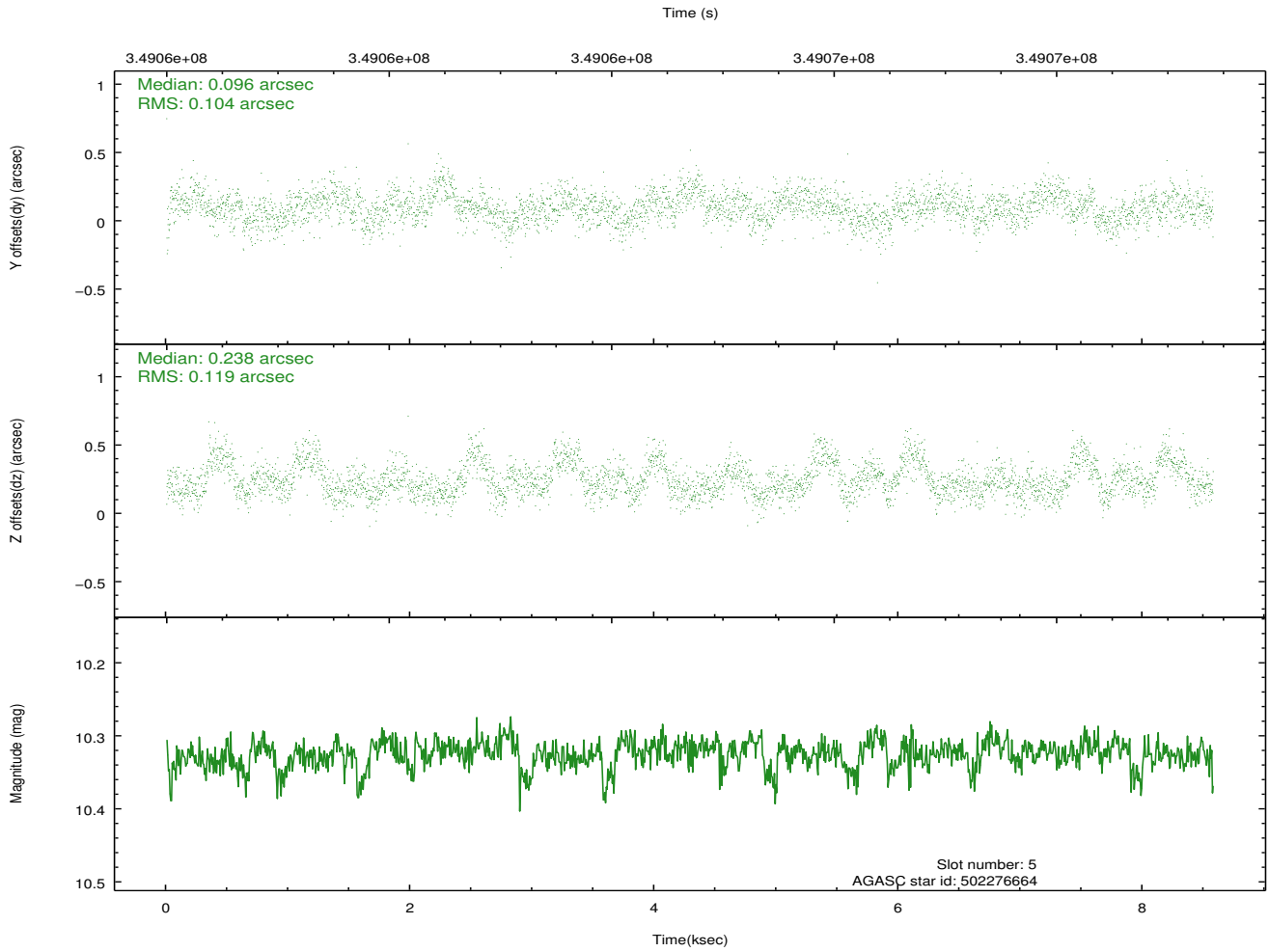
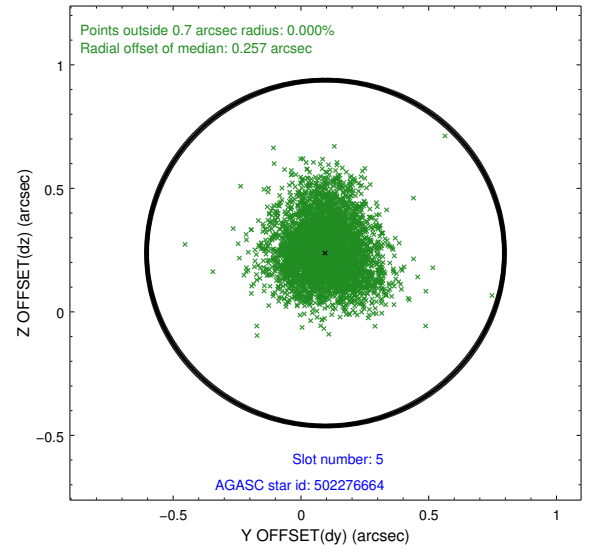
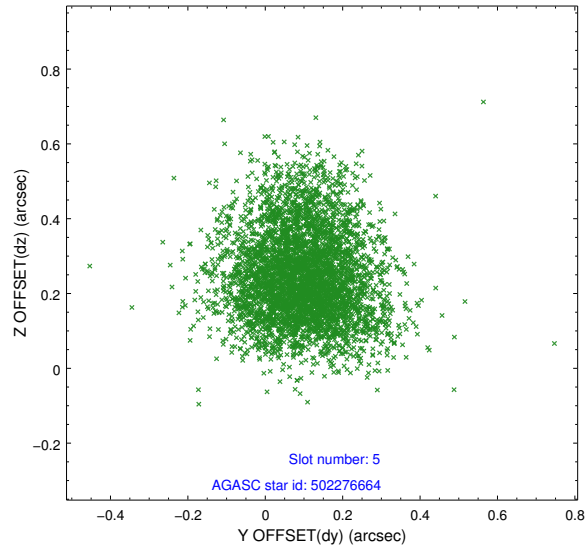
2.4.1 Slot 3



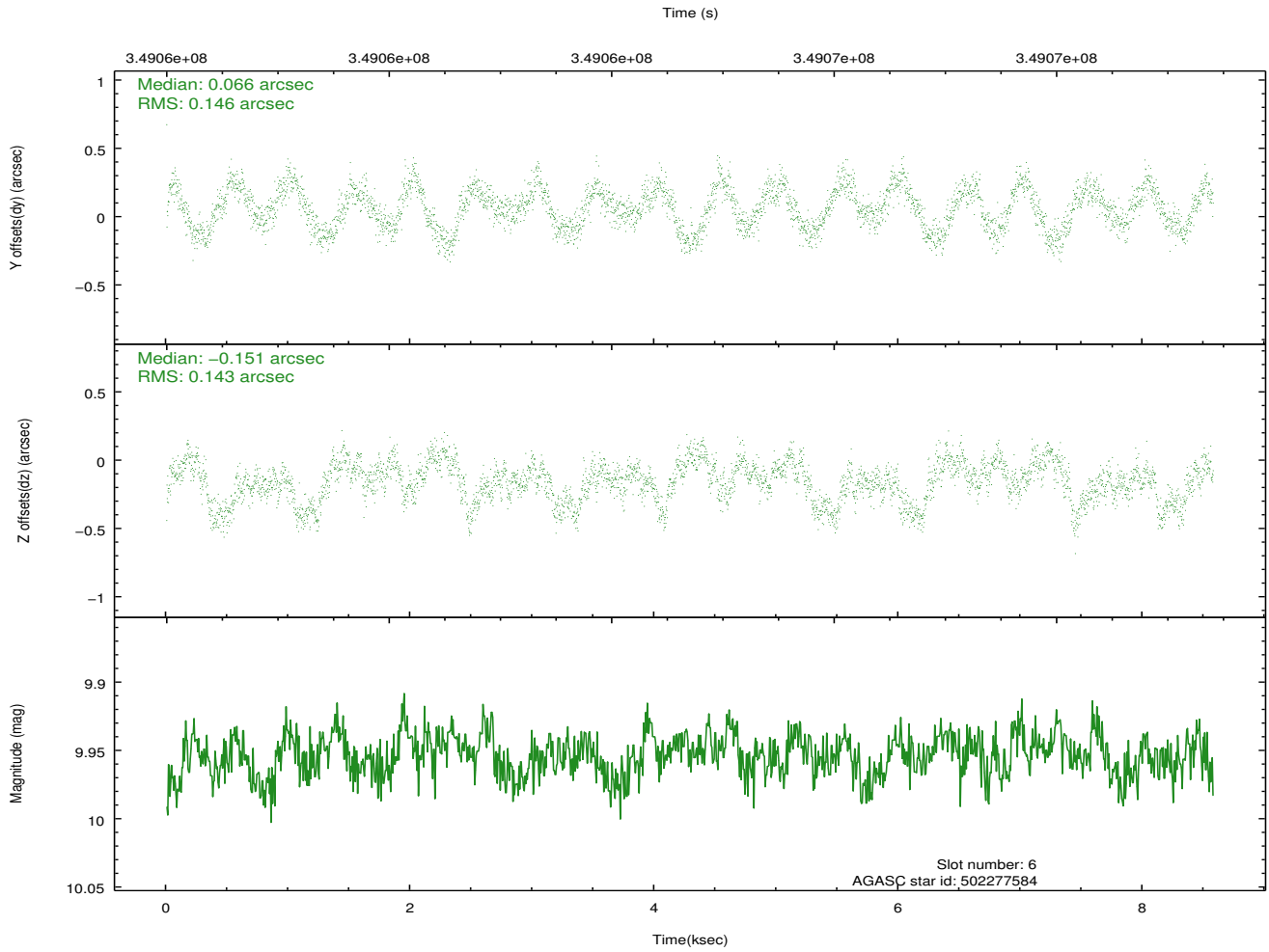
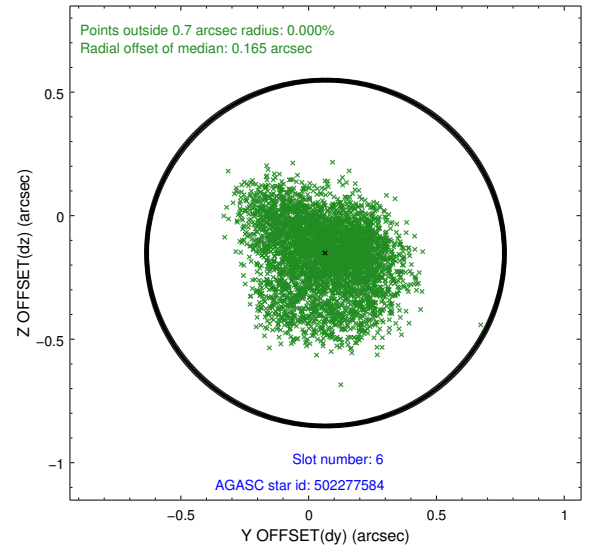
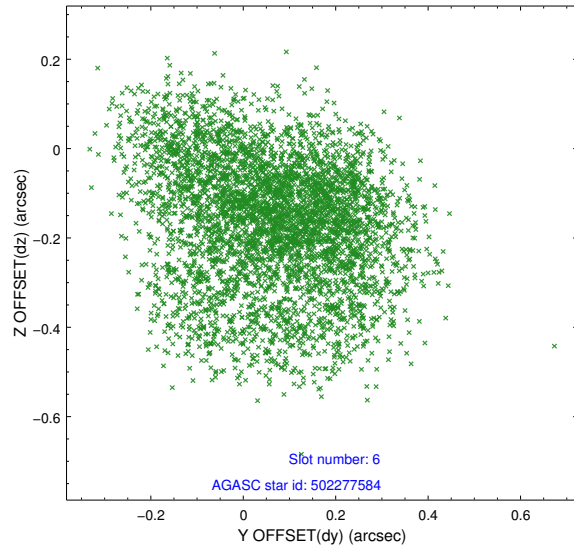
2.4.2 Slot 4



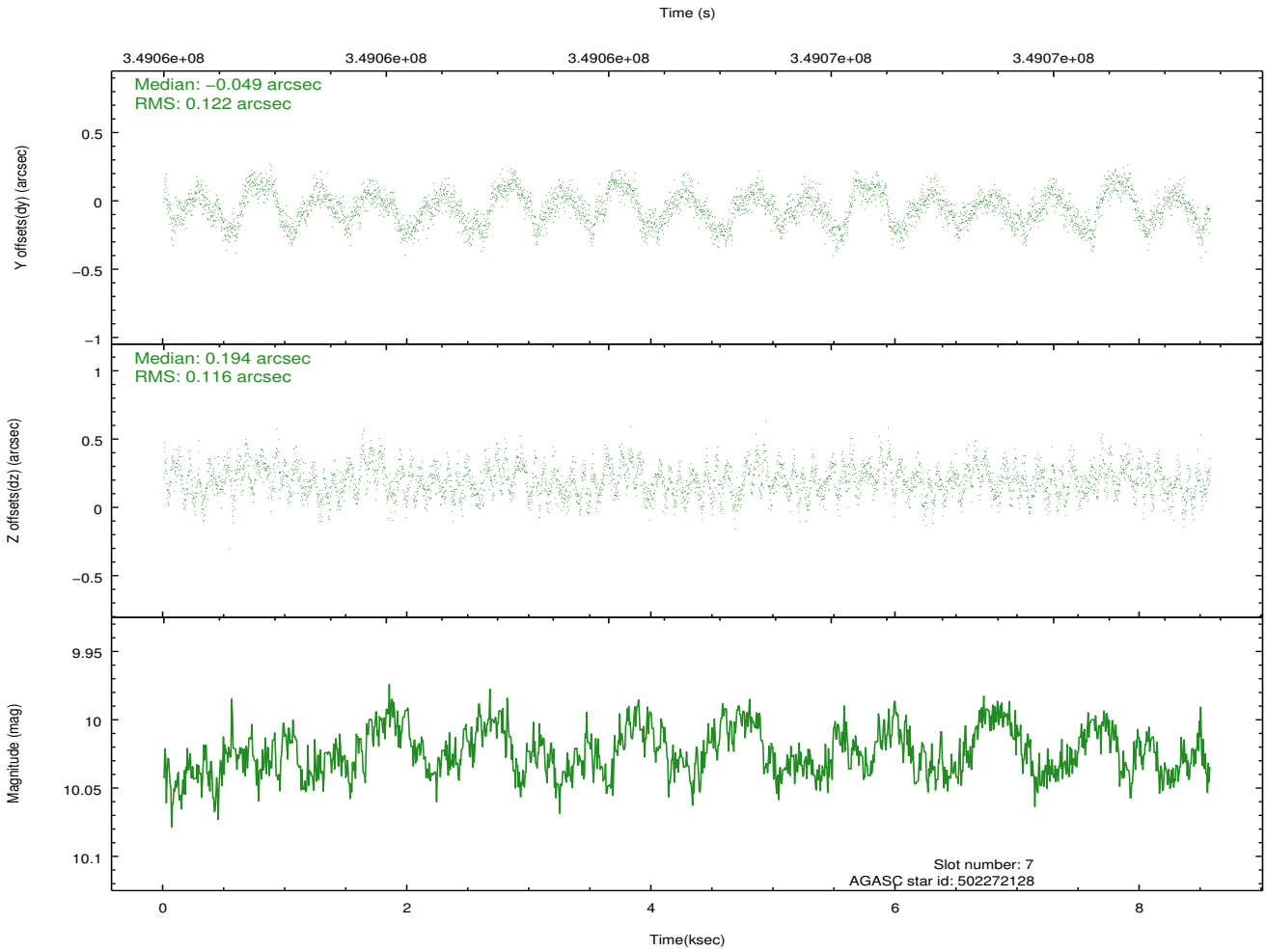
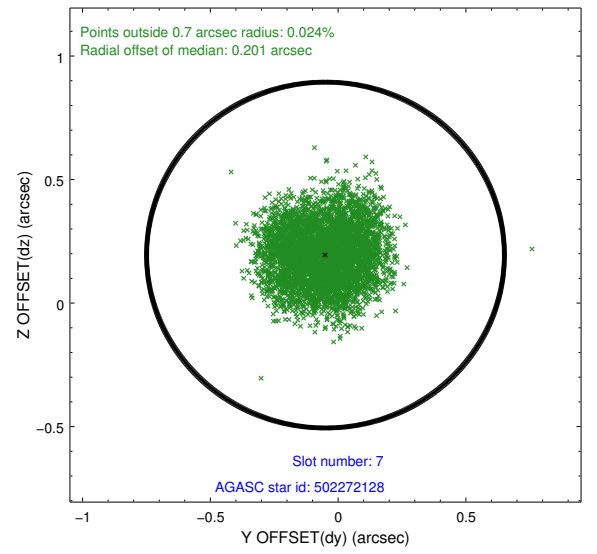
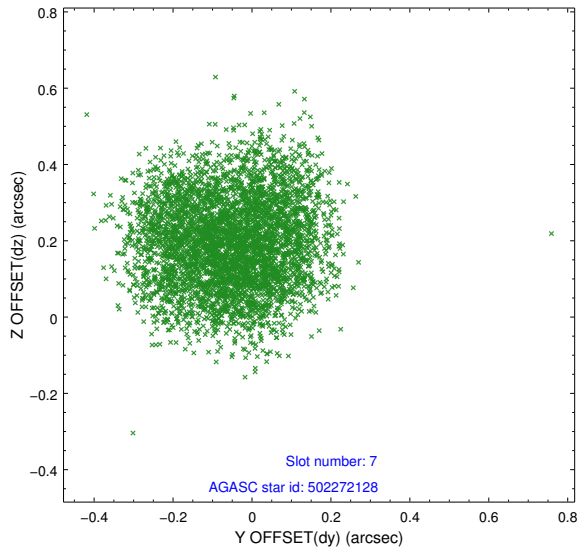
2.4.3 Slot 5



2.4.4 Slot 6

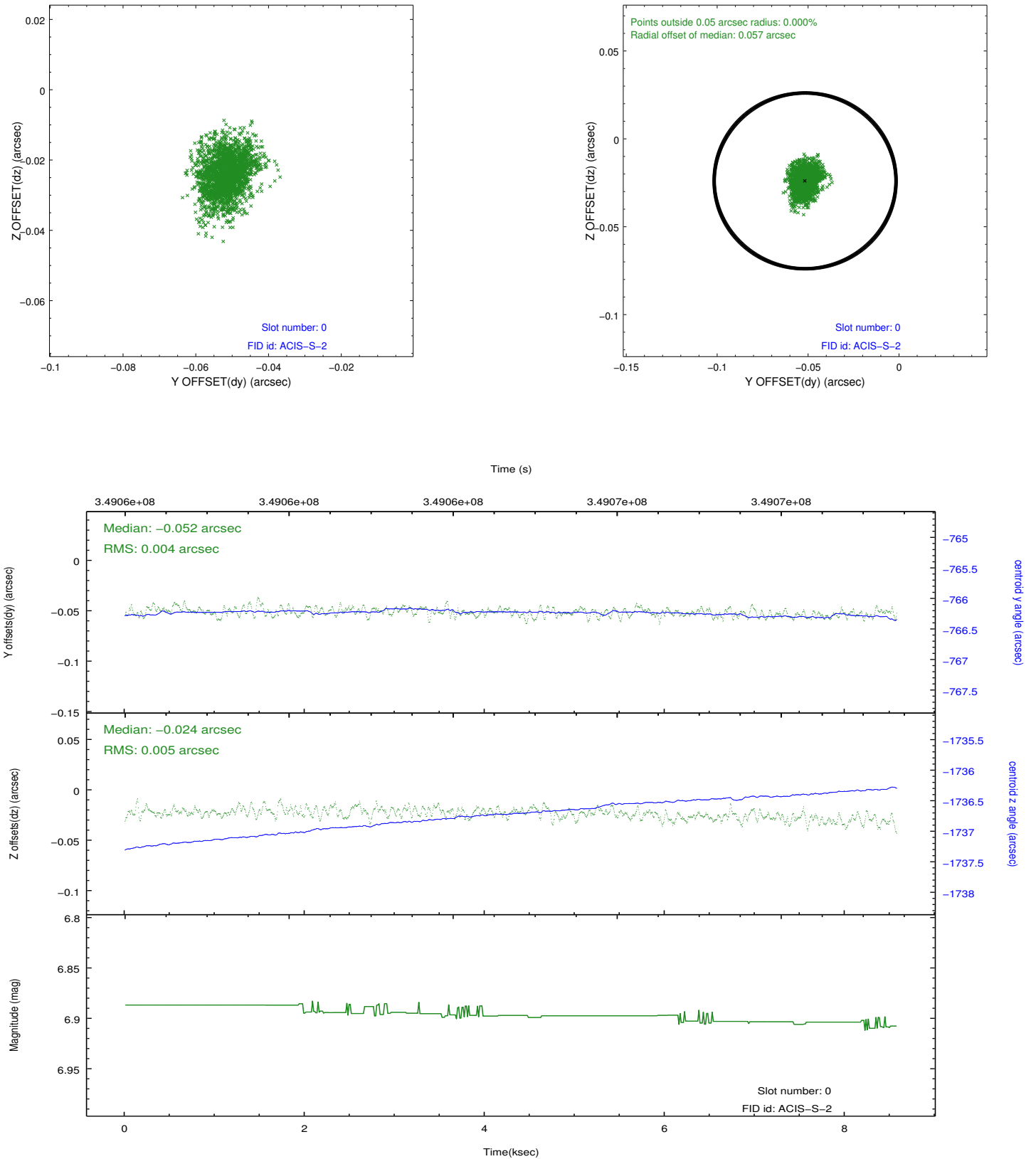


2.4.5 Slot 7

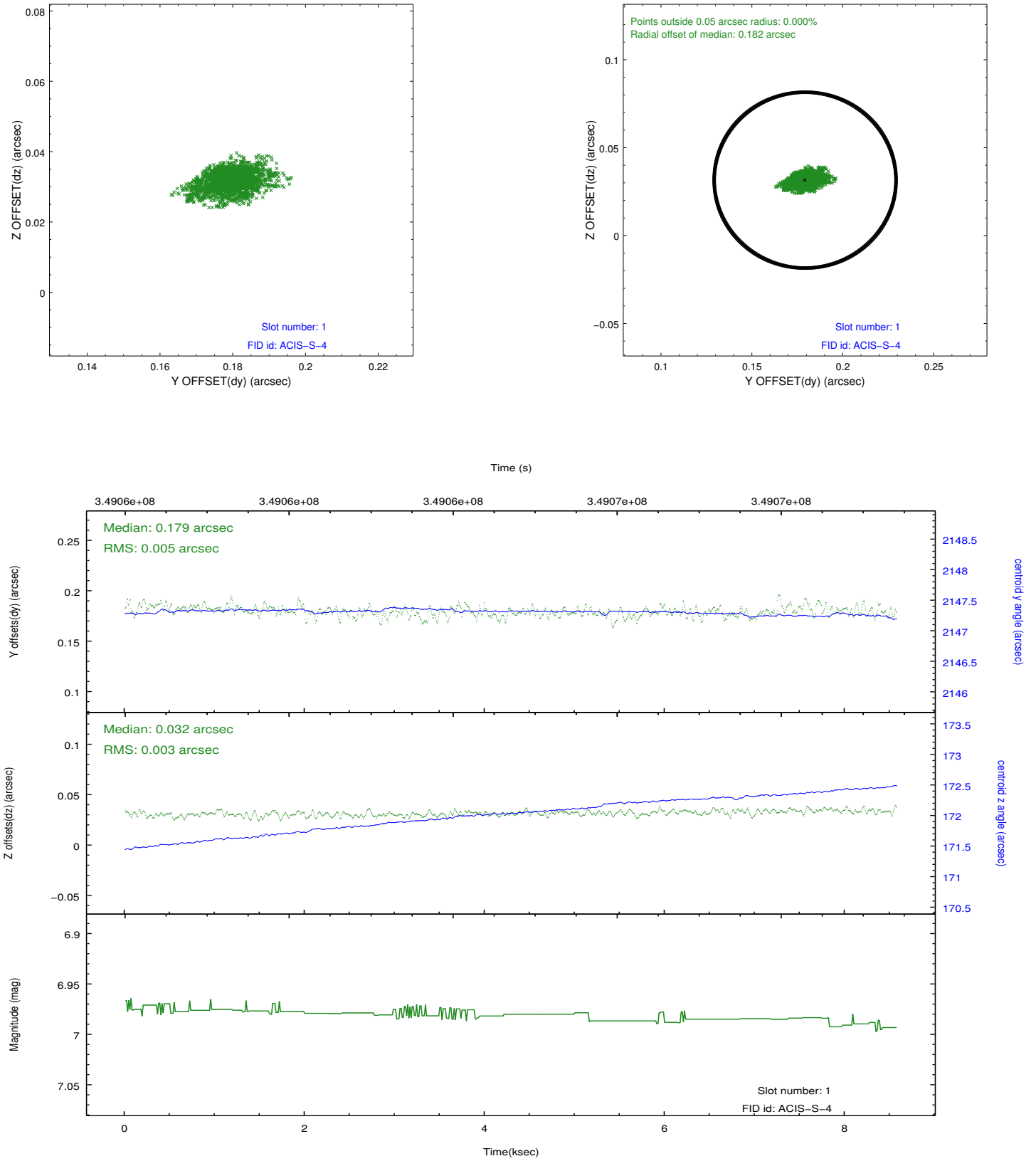


2.5 FID Slots

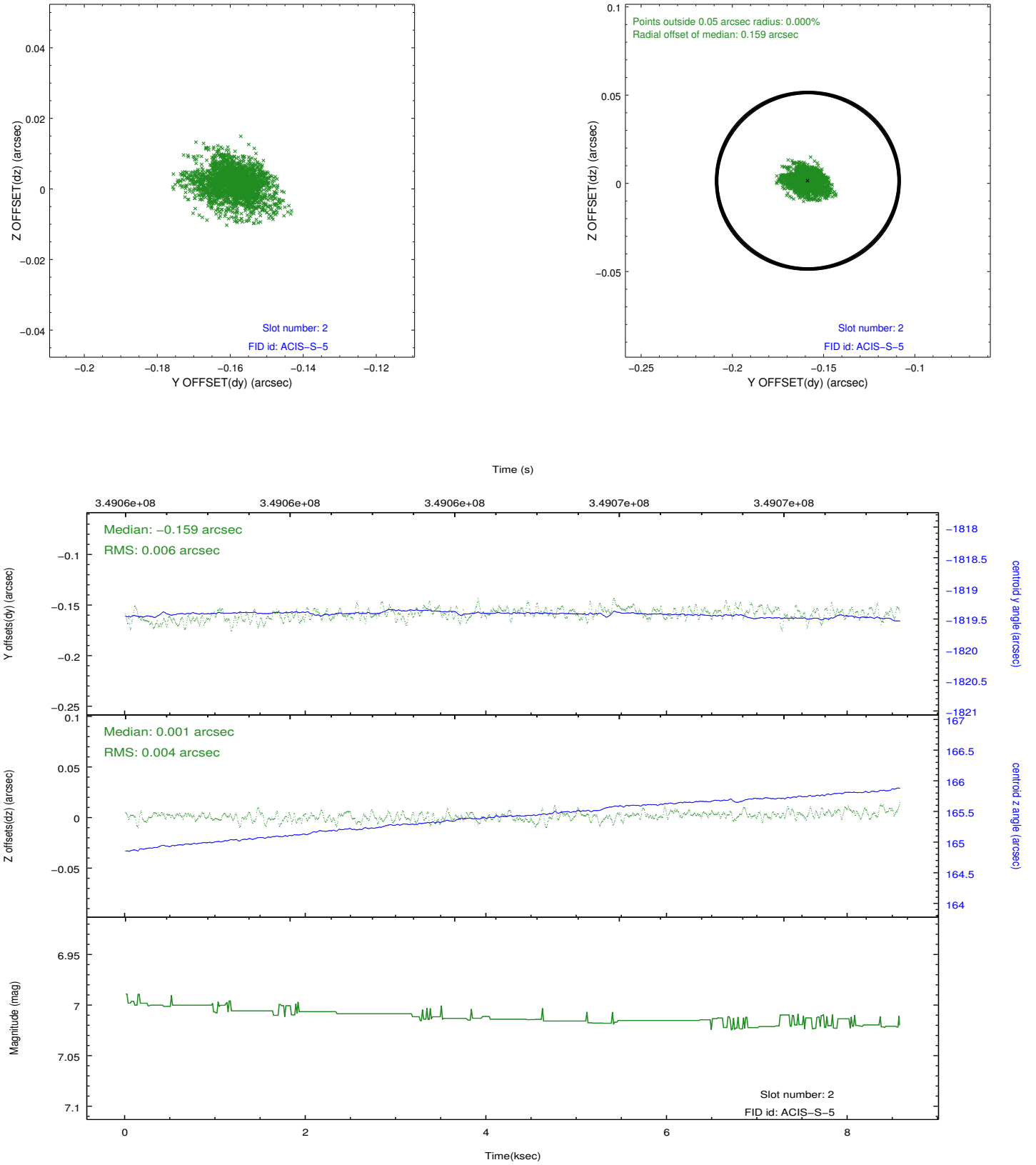
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.95199997

A.2 Comments