

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10828 - L2 Version 2
Chandra X-Ray Center

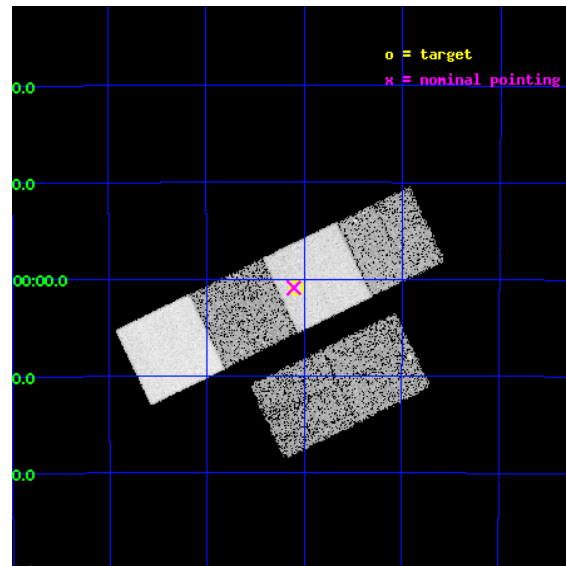
L2 Processing Date : May 25 2012

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1 Front

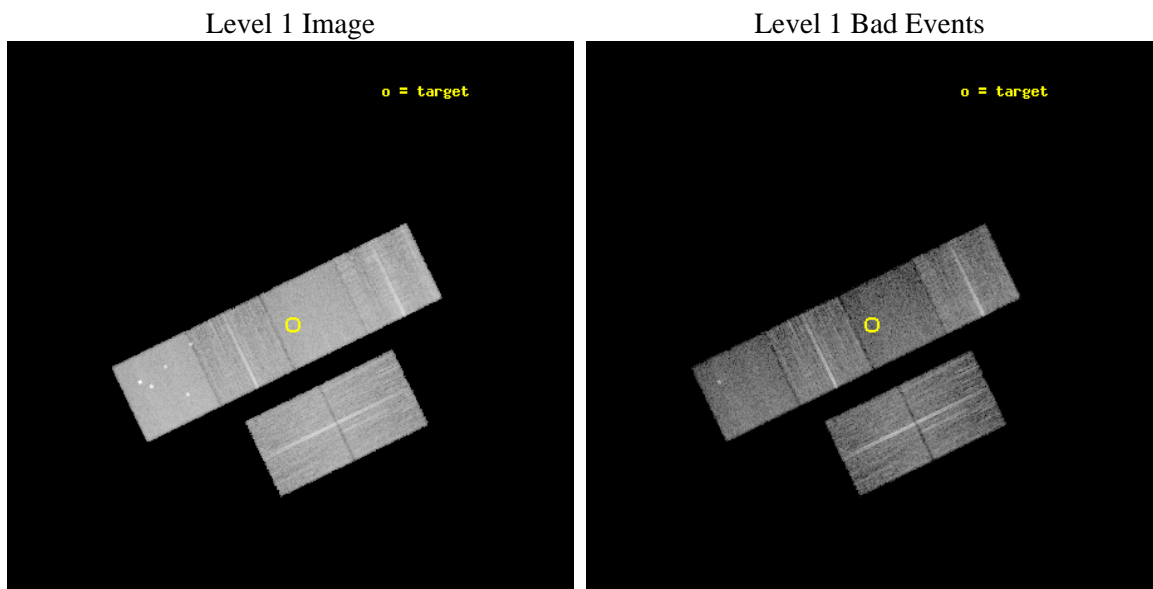
seq_num	200484	Sequence number
obs_id	10828	Observation id
title	Surveying Magnetic Activity in L and T Brown Dwarfs	Proposal title
observer	Prof. Marc Audard	Principal investigator
object	DENIS-P J0255.0-4700	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	43.769167	Observer's specified target RA [deg]
dec_targ	-47.015806	Observer's specified target Dec [deg]
ra_nom	43.776341227799	Nominal RA [deg]
dec_nom	-47.015326844384	Nominal Dec [deg]
roll_nom	334.16187745498	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10041.599962652	Sum of GTIs [s]
liveltime	9914.447177599	Livetime [s]
ontime2	10038.358952463	Sum of GTIs [s]
ontime3	10041.599962652	Sum of GTIs [s]
ontime5	10041.599962652	Sum of GTIs [s]
ontime6	10041.599962652	Sum of GTIs [s]
ontime7	10041.599962652	Sum of GTIs [s]
ontime8	10035.118021607	Sum of GTIs [s]
l2events	126355	Number of level 2 events



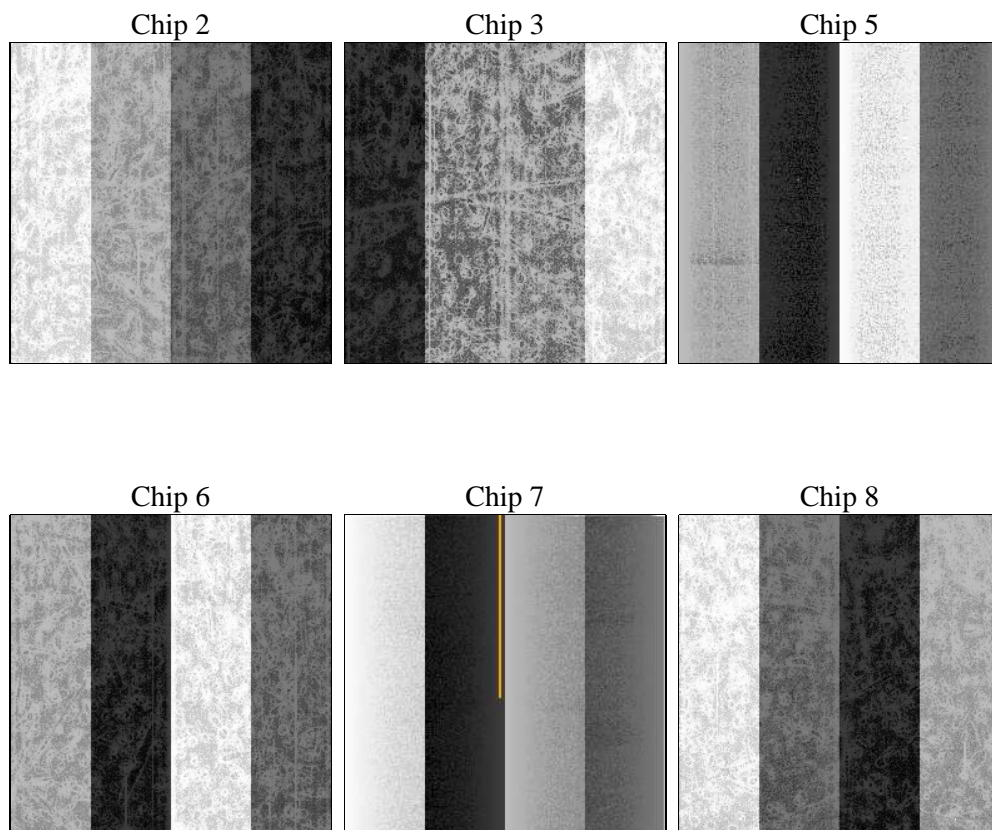
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10041.599962652	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	10038.358952463	Sum of GTIs [s]
date	2012-05-25T18:22:24	Date and time of file creation	ontime3	10041.599962652	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10041.599962652	Sum of GTIs [s]
			ontime6	10041.599962652	Sum of GTIs [s]
			ontime7	10041.599962652	Sum of GTIs [s]
			ontime8	10035.118021607	Sum of GTIs [s]
			l1events	570890	Number of level 1 events

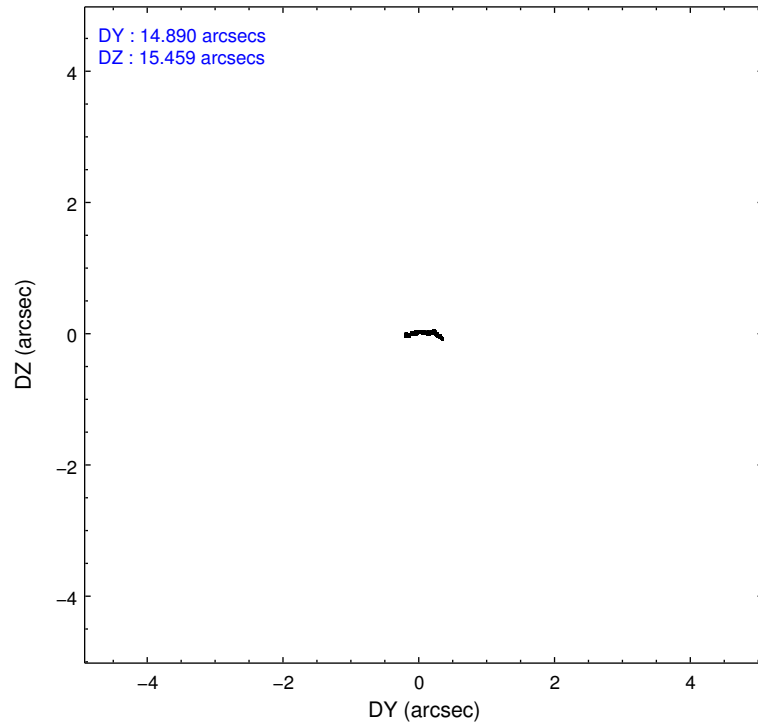
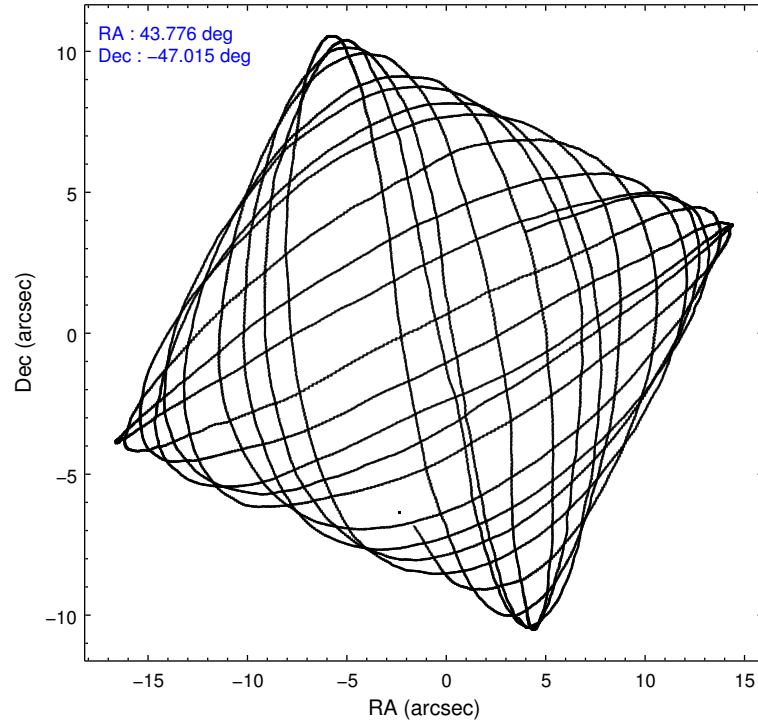
2.1.4 Events

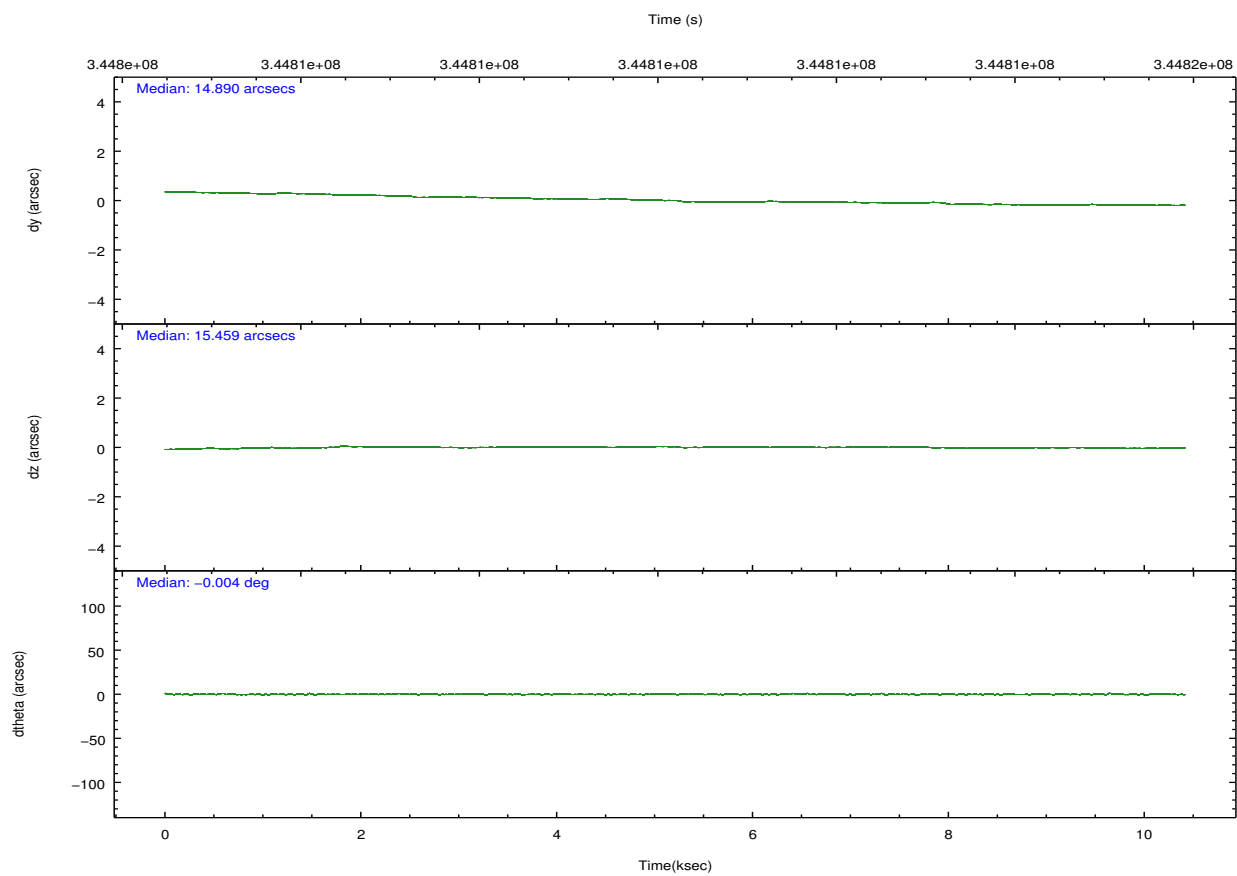
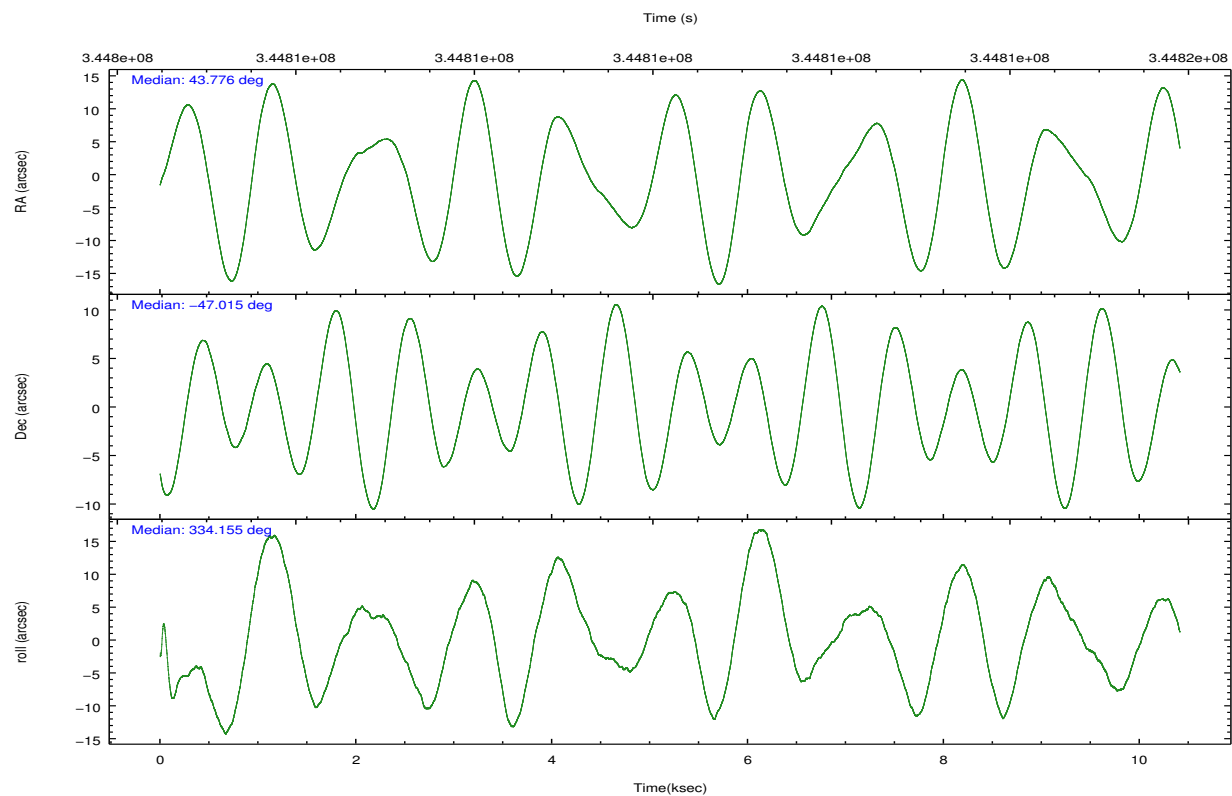
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	84764	78096	121093	85620	94319	106998	grade 0 events	2894	2807	7839	2911	3885	8031
rejected events	76606	70170	59969	77024	51391	80406		3%	3%	6%	3%	4%	7%
rejected %	90%	89%	49%	89%	54%	75%	grade 1 events	43	42	403	49	122	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	1987	1741	18191	1940	8820	6273
								2%	2%	15%	2%	9%	5%
							grade 3 events	882	946	2356	904	3968	2856
								1%	1%	1%	1%	4%	2%
							grade 4 events	856	865	2197	965	3856	2702
								1%	1%	1%	1%	4%	2%
							grade 5 events	2867	3281	9213	3388	9830	4912
								3%	4%	7%	3%	10%	4%
							grade 6 events	1544	1568	30572	1876	22411	6735
								1%	2%	25%	2%	23%	6%
							grade 7 events	73691	66846	50322	73587	41427	75397
								86%	85%	41%	85%	43%	70%

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	43.736294	43.77634122779878	CCD I2 on	O1	Y
[deg] Pointing Dec	-47.017659	-47.01532684438352	CCD I3 on	O2	Y
[deg] Pointing Roll	333.975952	334.161877454978	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)	344805407.184000	344804230.61893	CCD S5 on	N	N
Observation start date	2008-12-04T19:15:42	2008-12-04T18:57:10	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	344815407.184000	344816140.60702	On-chip summing requested	N	N
Observation end date	2008-12-04T22:02:22	2008-12-04T22:15:40	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



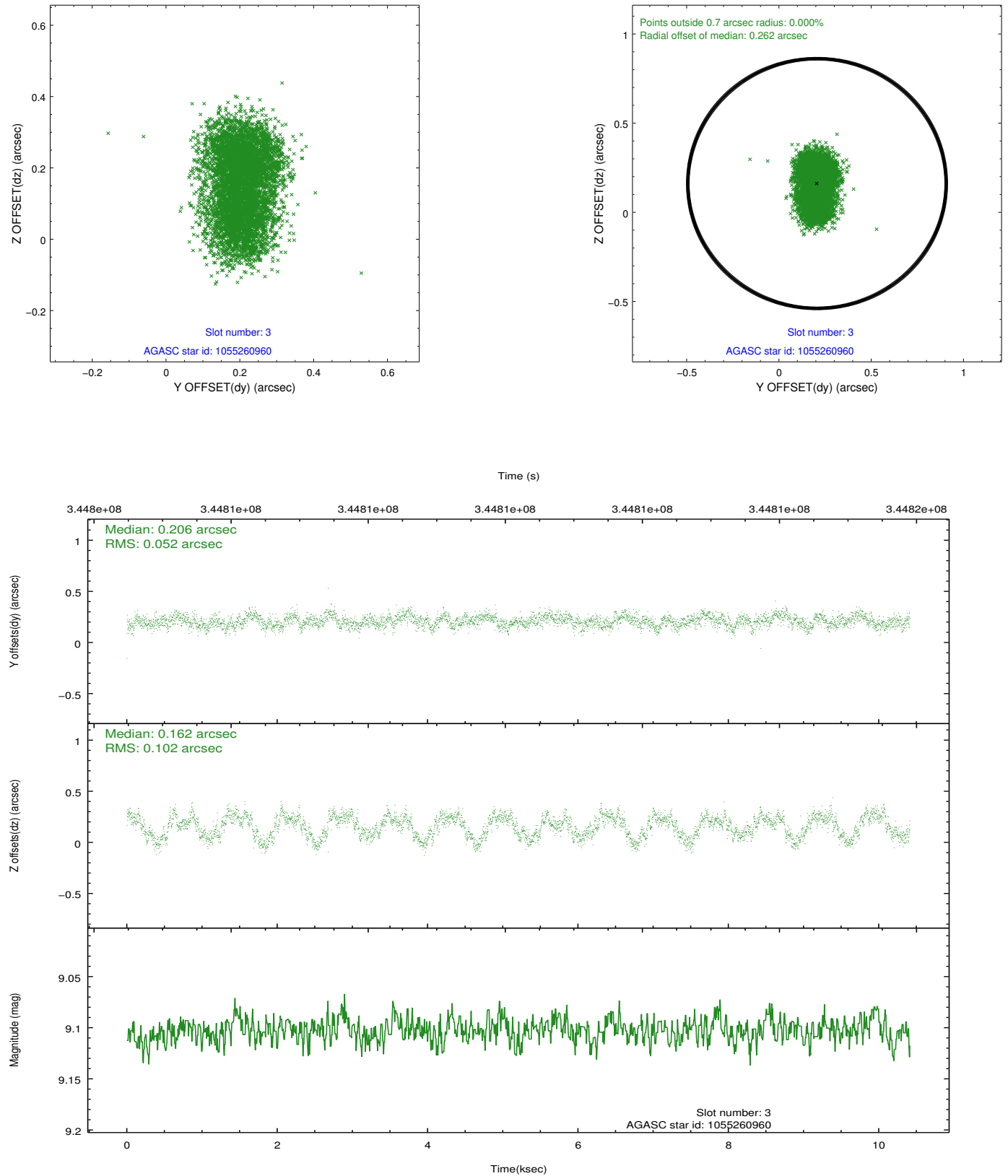


Slot Statistics

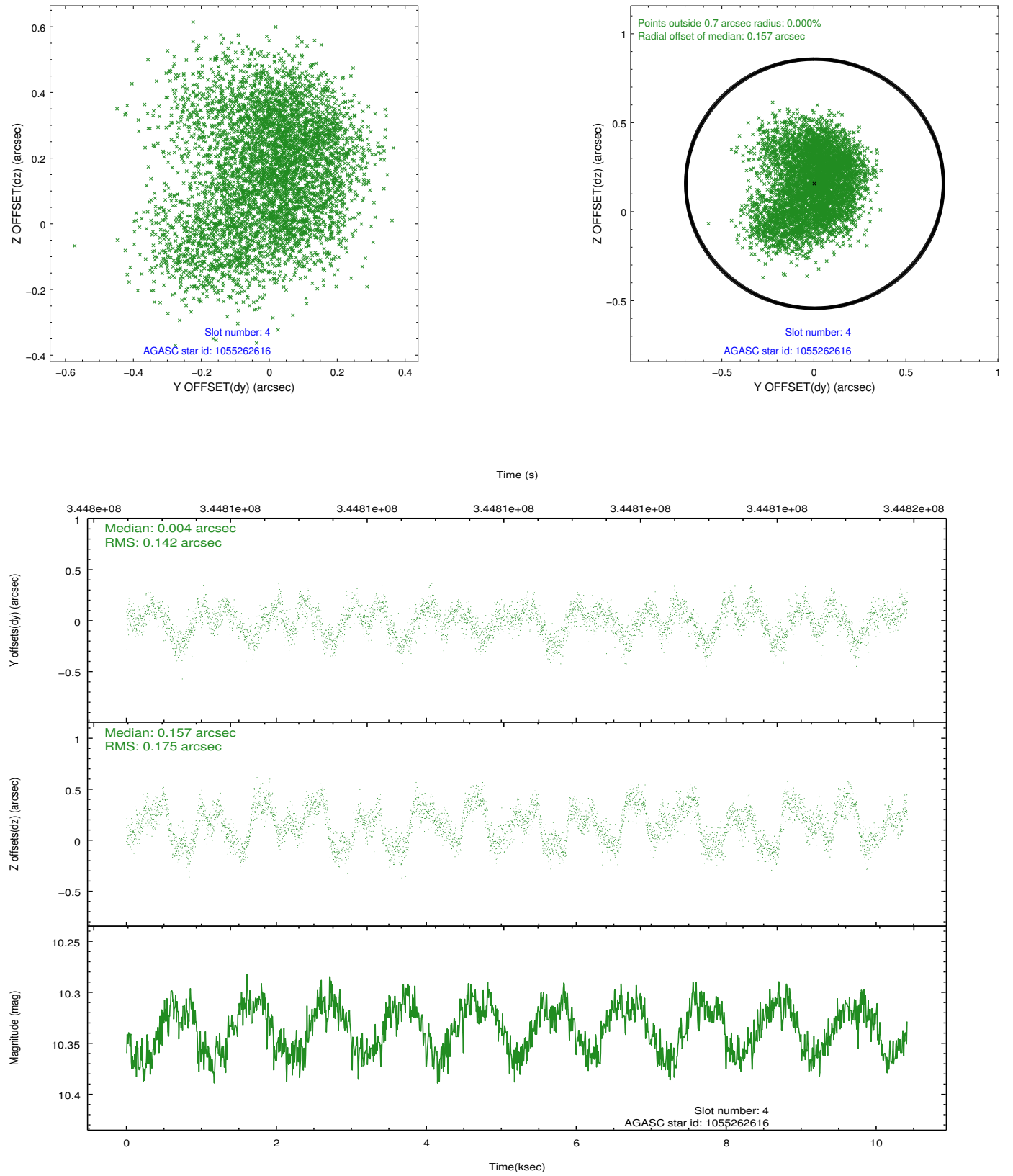
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	2540	-0.096	-0.012	0.007	0.012	0.000000	0.000000	-767.97	-1736.86
1	FID	ACIS-S-4	6.99	2539	0.204	0.050	0.006	0.011	0.000000	0.000000	2145.36	171.18
2	FID	ACIS-S-5	7.02	2539	-0.140	-0.029	0.008	0.014	0.000000	0.000000	-1820.22	165.32
3	GUIDE	1055260960	9.10	5075	0.206	0.162	0.123	0.193	43.266473	-47.383512	-449.27	-1688.84
4	GUIDE	1055262616	10.34	5008	0.004	0.157	0.243	0.380	42.956995	-46.992354	-1754.81	-766.16
5	GUIDE	1055262896	8.94	5074	-0.155	-0.034	0.100	0.162	44.199568	-46.723830	564.10	1449.42
6	GUIDE	1055267608	10.32	5074	-0.002	-0.142	0.167	0.261	44.055628	-46.473563	-147.36	2106.34
7	GUIDE	1055660384	9.94	5073	-0.033	-0.125	0.139	0.222	43.935427	-47.649334	1432.31	-1831.28

2.4 Star Slots

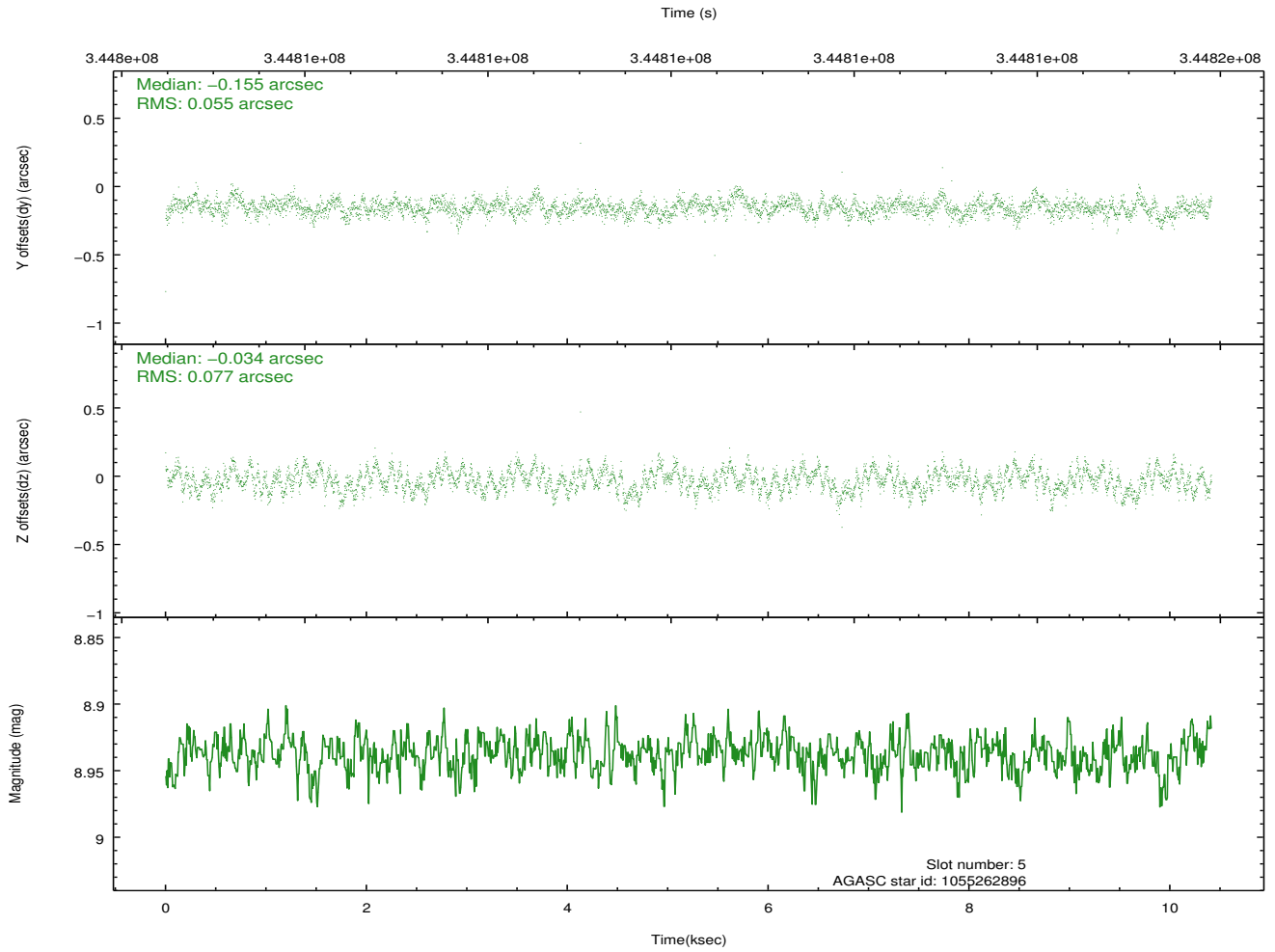
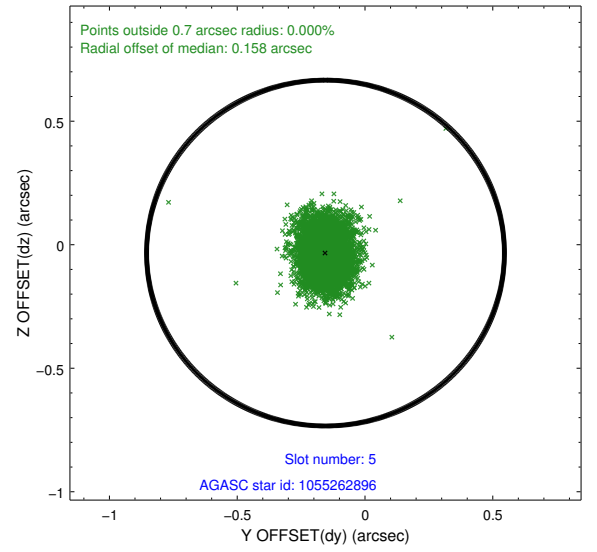
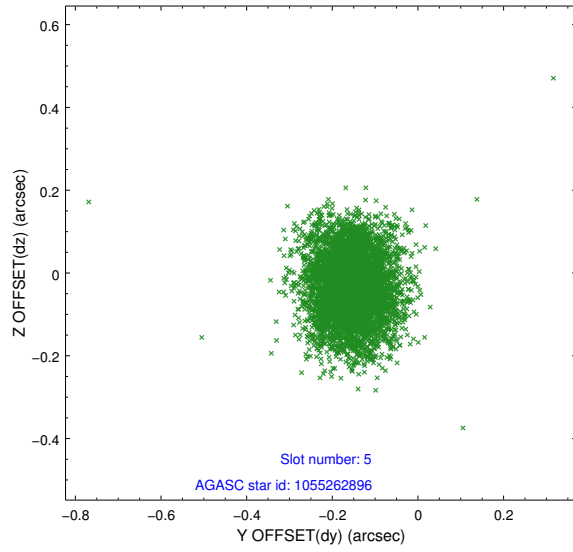
2.4.1 Slot 3



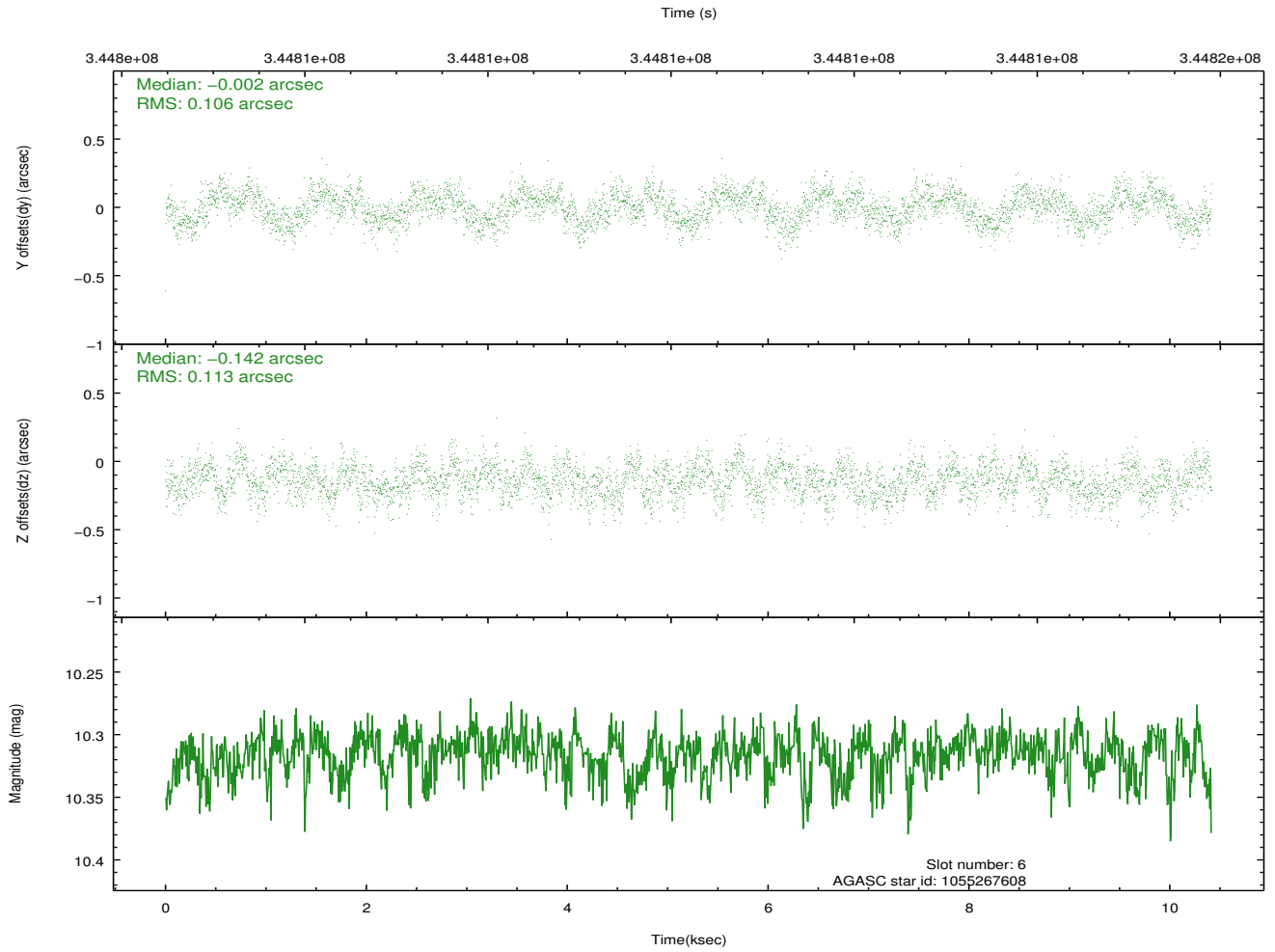
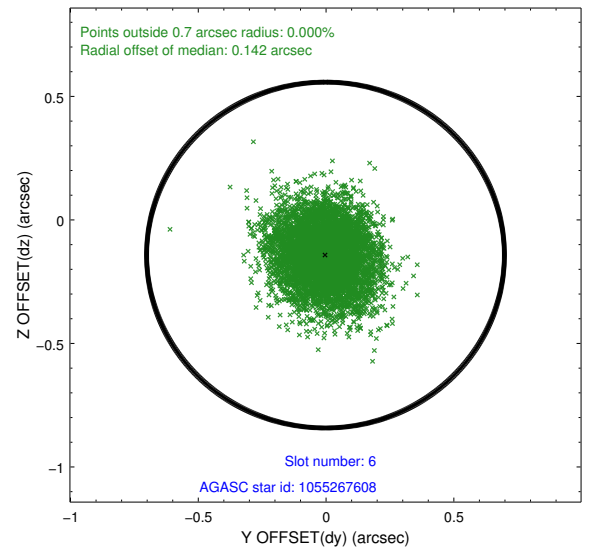
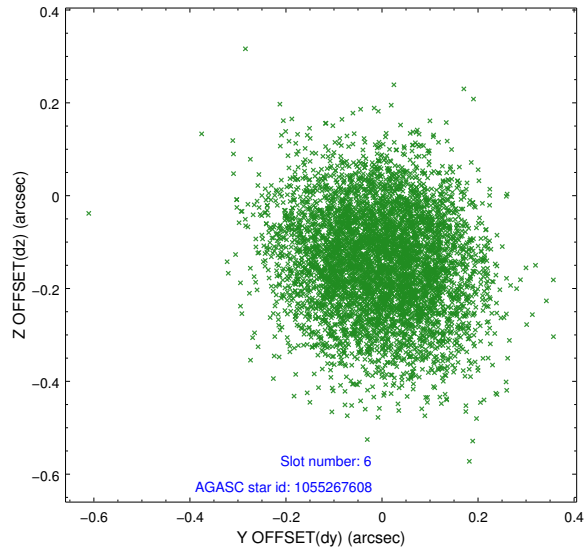
2.4.2 Slot 4



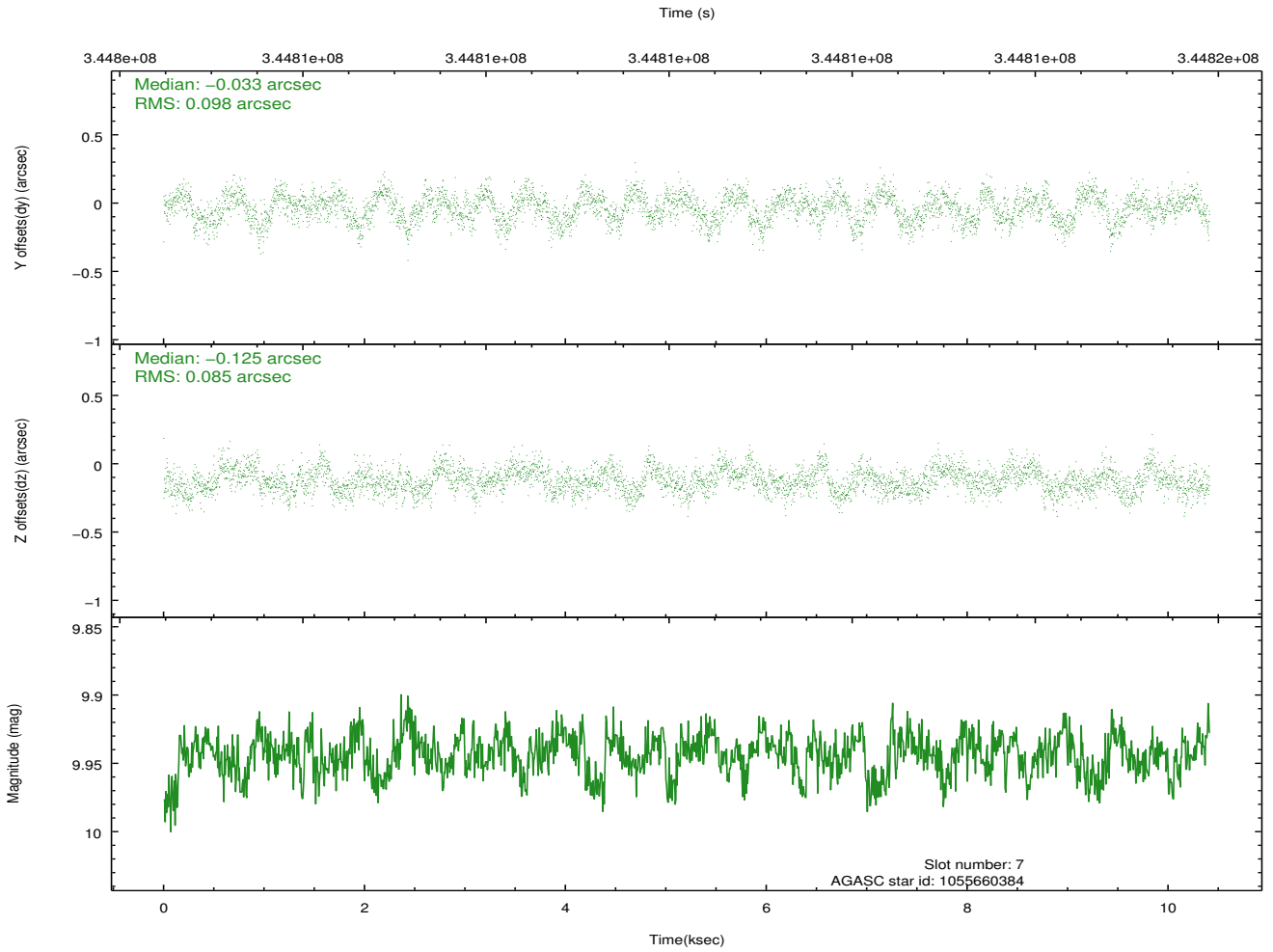
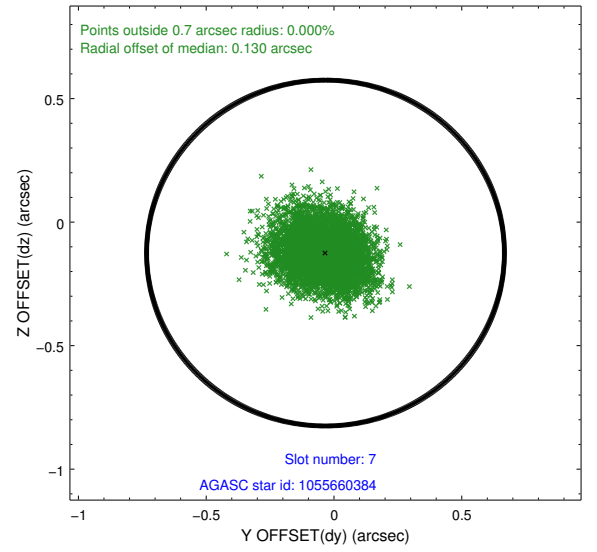
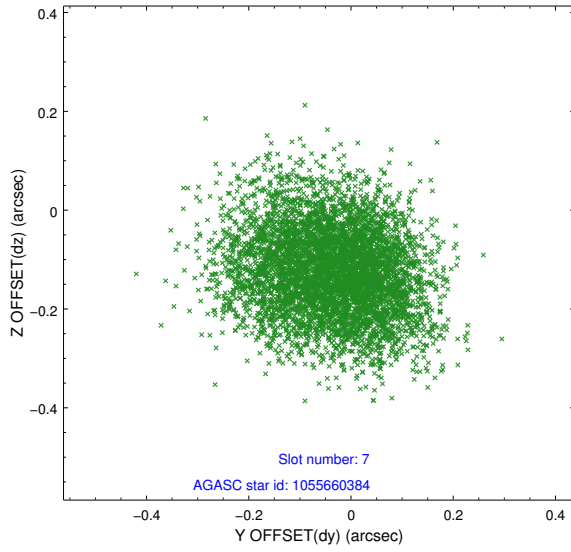
2.4.3 Slot 5



2.4.4 Slot 6

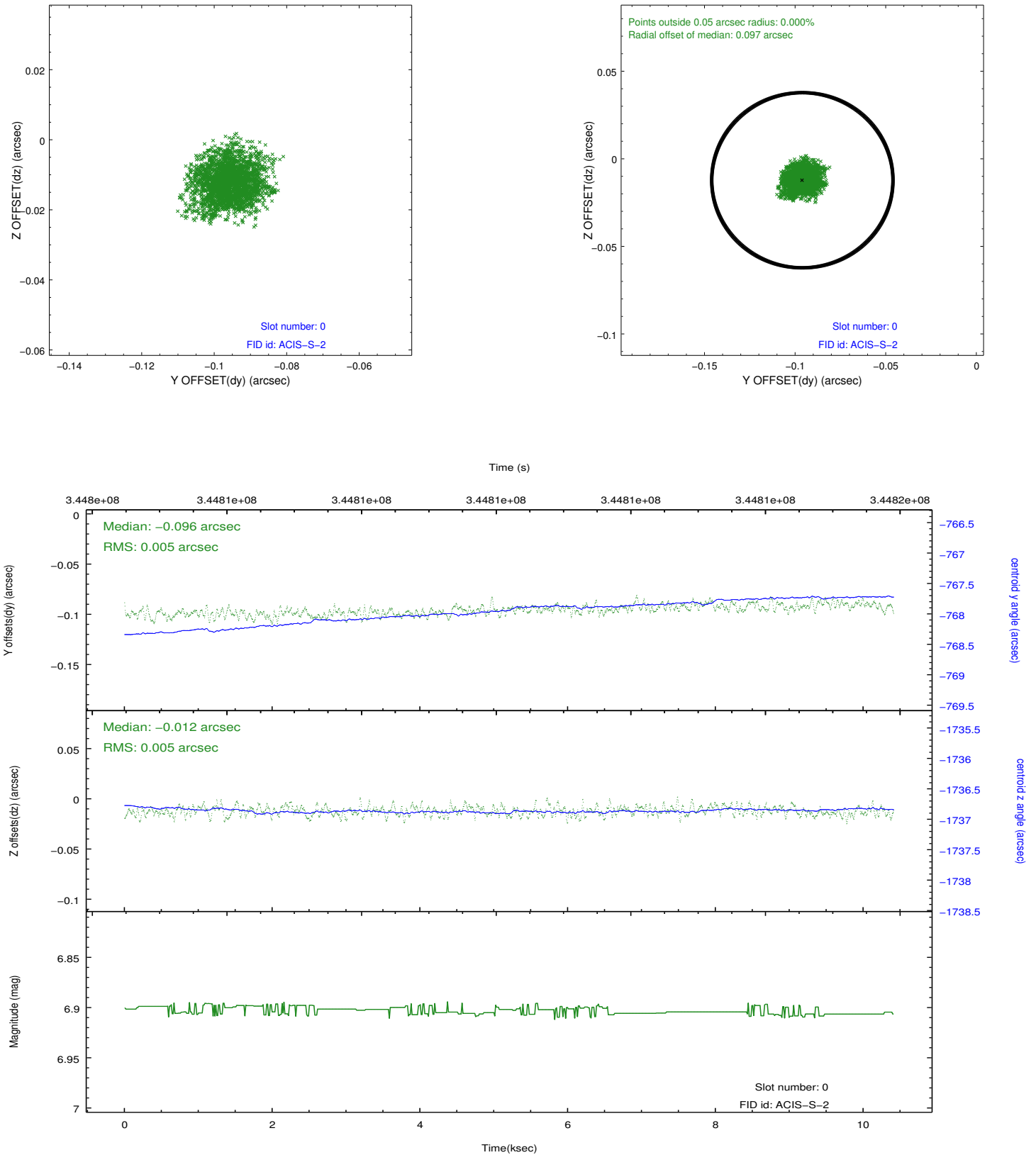


2.4.5 Slot 7

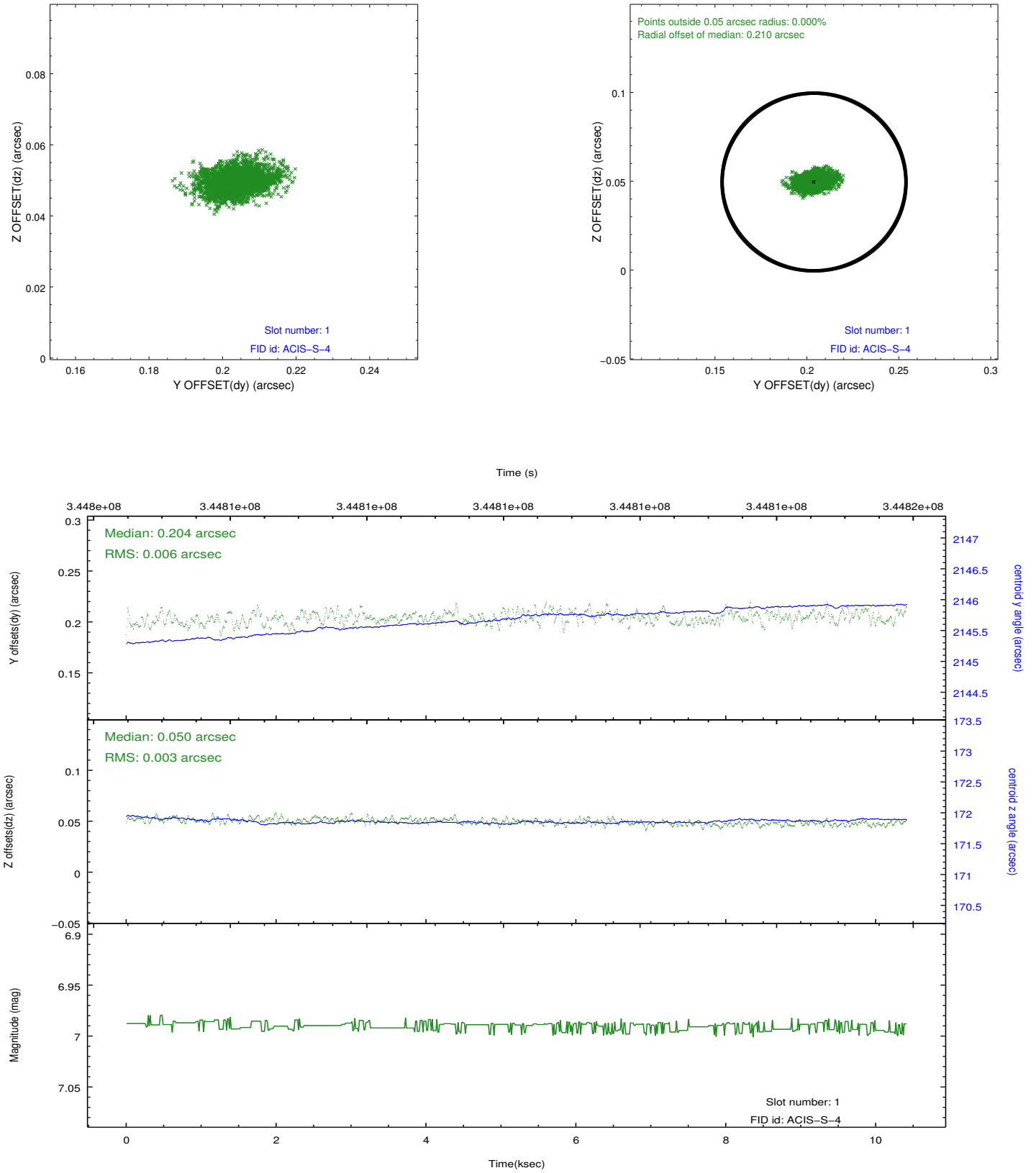


2.5 FID Slots

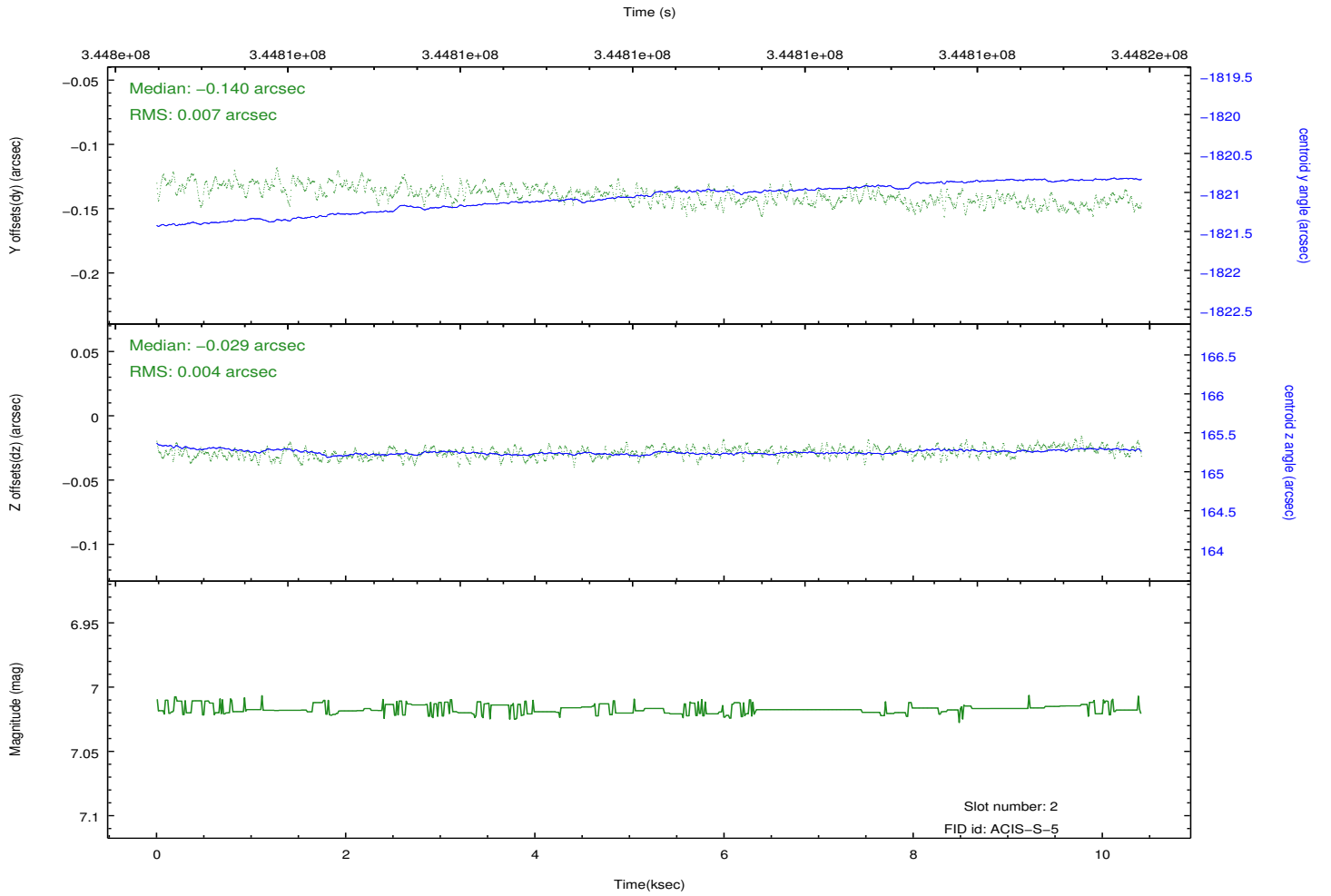
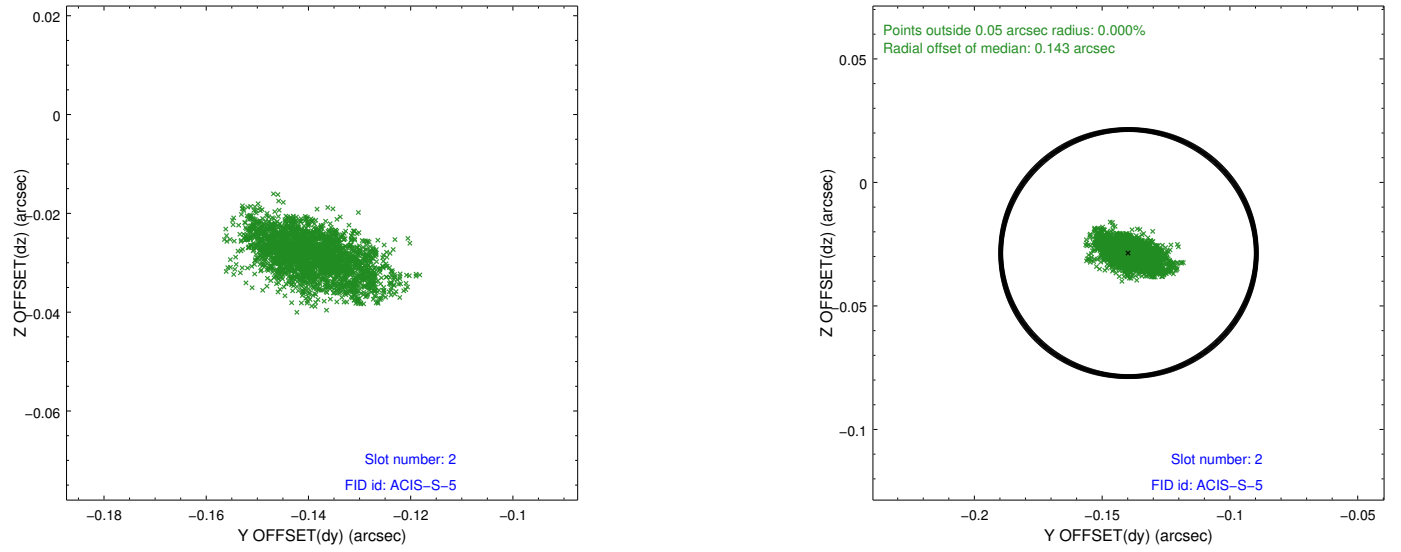
2.5.1 Slot 0



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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0415999

A.2 Comments

Joint Proposal: NRAO. Window preference met.