

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11230 - L2 Version 2
Chandra X-Ray Center

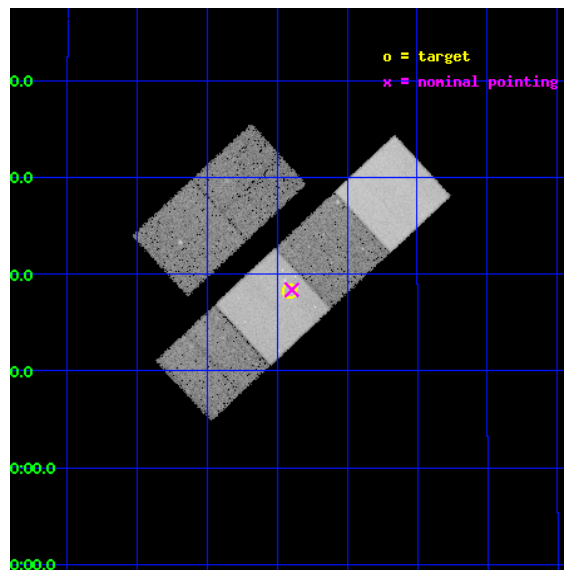
L2 Processing Date : Jun 11 2012

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

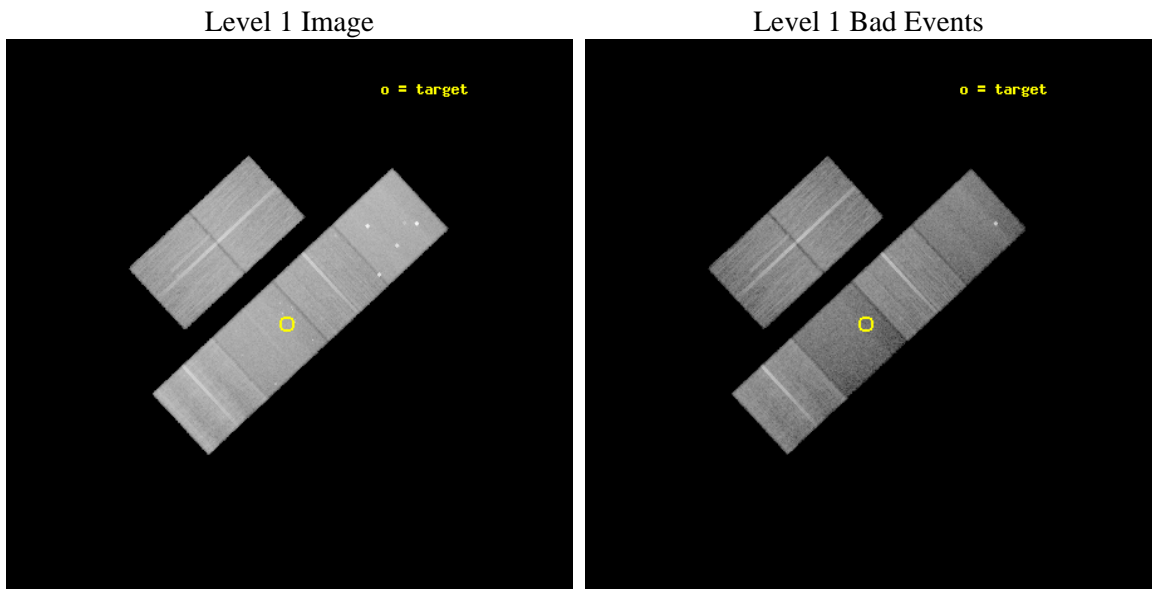
seq_num	501315	Sequence number
obs_id	11230	Observation id
title	Catching up to the Hydrogen Envelope: Late-time X-ray Observations of Type Ib/c SNe	Proposal title
observer	Prof. David Pooley	Principal investigator
object	SN 1990U	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	346.22875	Observer's specified target RA [deg]
dec_targ	12.305583	Observer's specified target Dec [deg]
ra_nom	346.22389130236	Nominal RA [deg]
dec_nom	12.306533696014	Nominal Dec [deg]
roll_nom	137.04405666995	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25155.199906349	Sum of GTIs [s]
livetime	24836.669618492	Livetime [s]
ontime2	25148.717875719	Sum of GTIs [s]
ontime3	25145.476895392	Sum of GTIs [s]
ontime5	25155.199906349	Sum of GTIs [s]
ontime6	25148.717865944	Sum of GTIs [s]
ontime7	25155.199906349	Sum of GTIs [s]
ontime8	25151.958896041	Sum of GTIs [s]
l2events	296928	Number of level 2 events



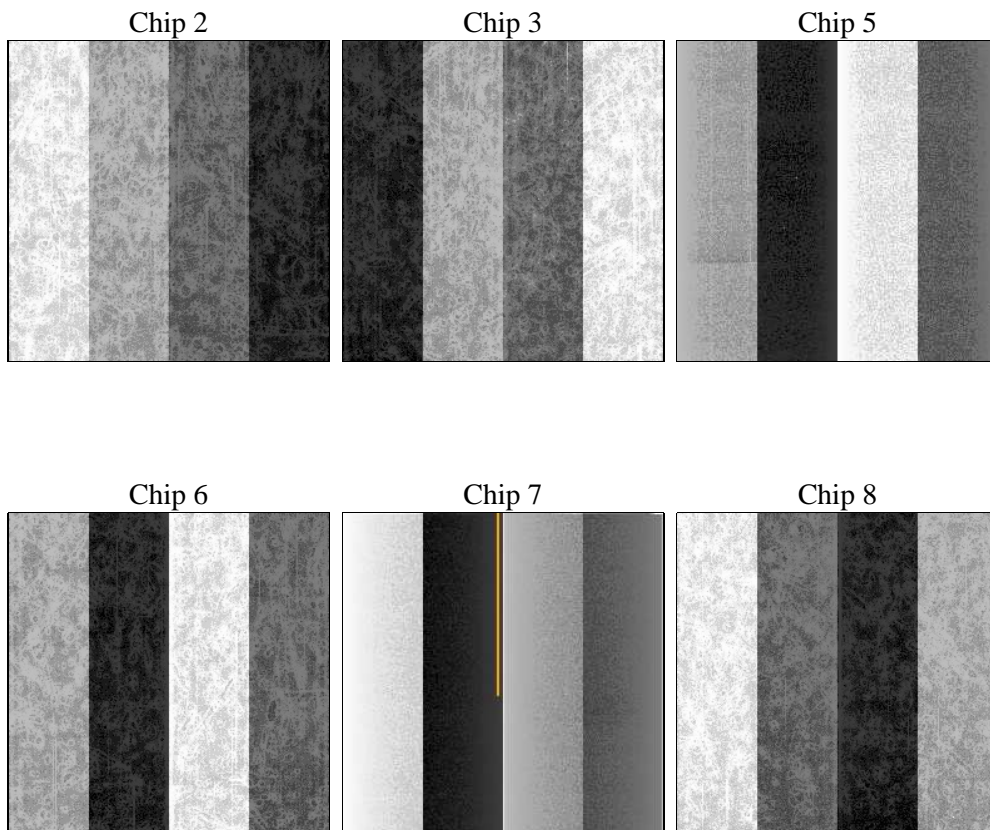
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	25155.199906349	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	25148.717875719	Sum of GTIs [s]
date	2012-06-11T15:57:22	Date and time of file creation	ontime3	25145.476895392	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	25155.199906349	Sum of GTIs [s]
			ontime6	25148.717865944	Sum of GTIs [s]
			ontime7	25155.199906349	Sum of GTIs [s]
			ontime8	25151.958896041	Sum of GTIs [s]
			l1events	1392353	Number of level 1 events

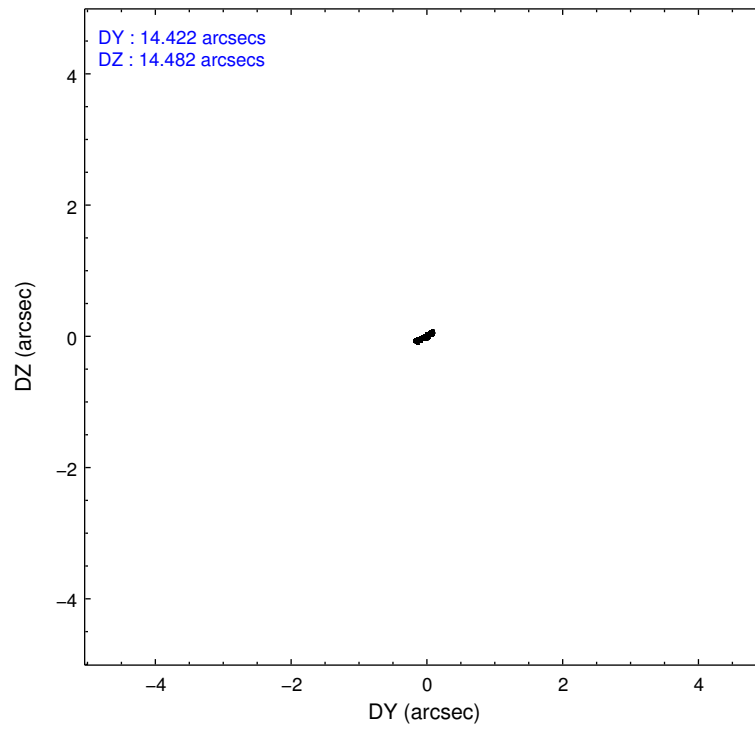
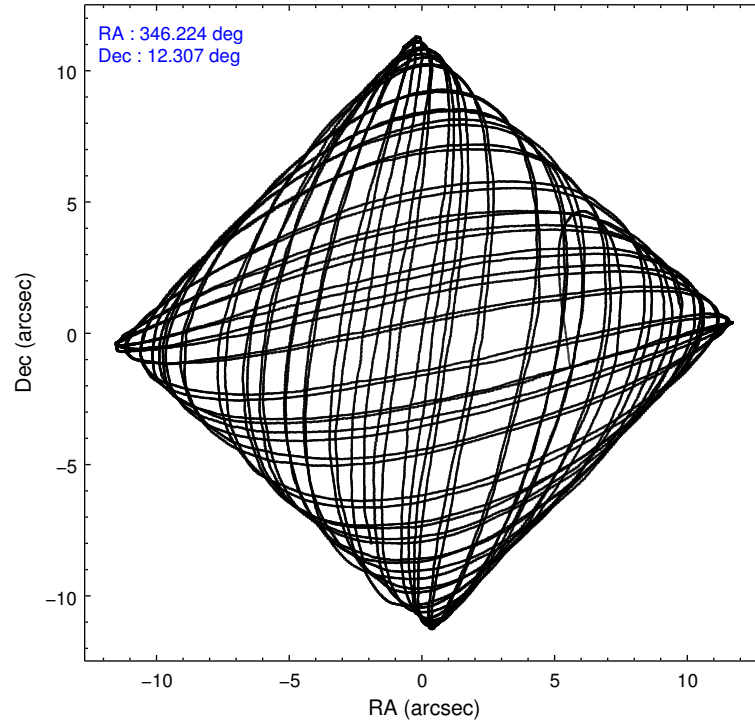
2.1.4 Events

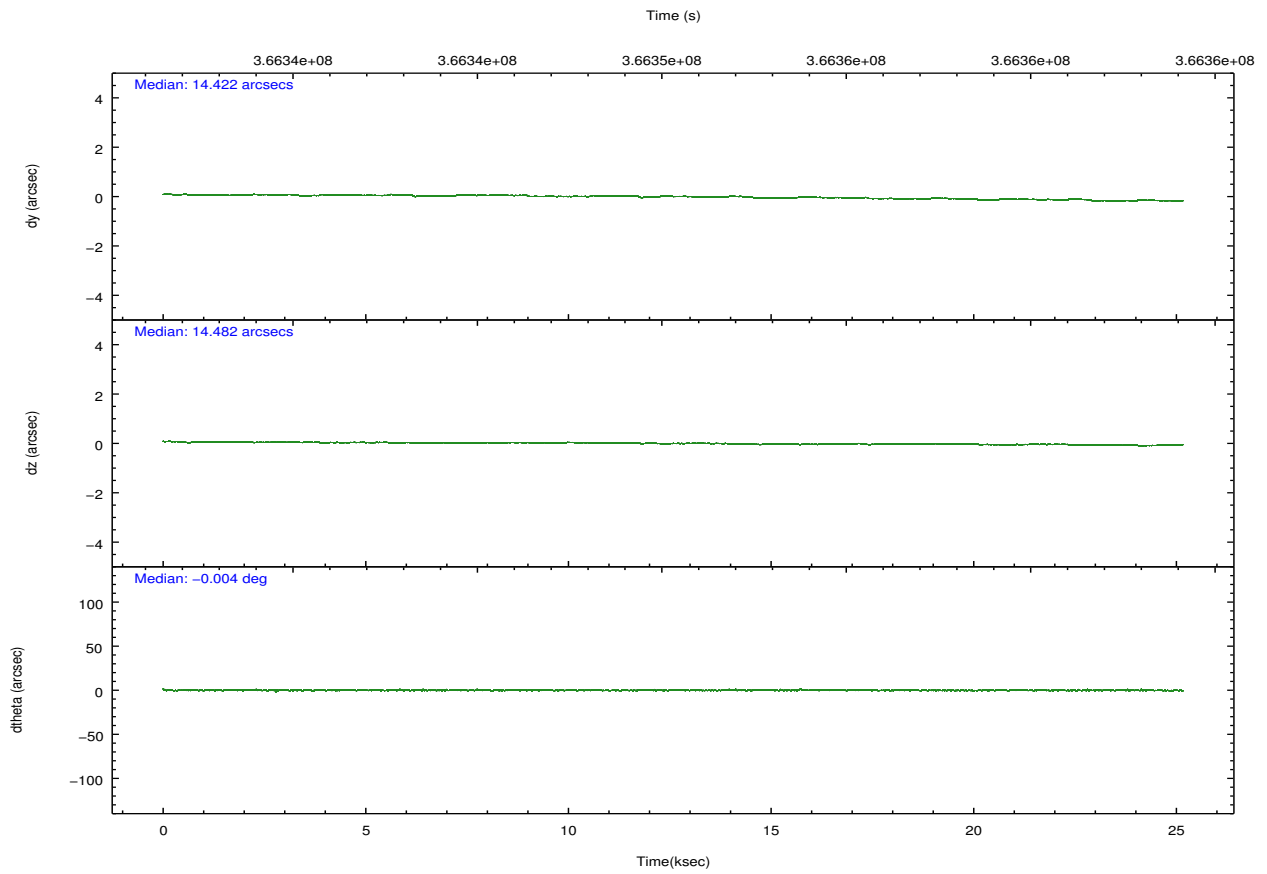
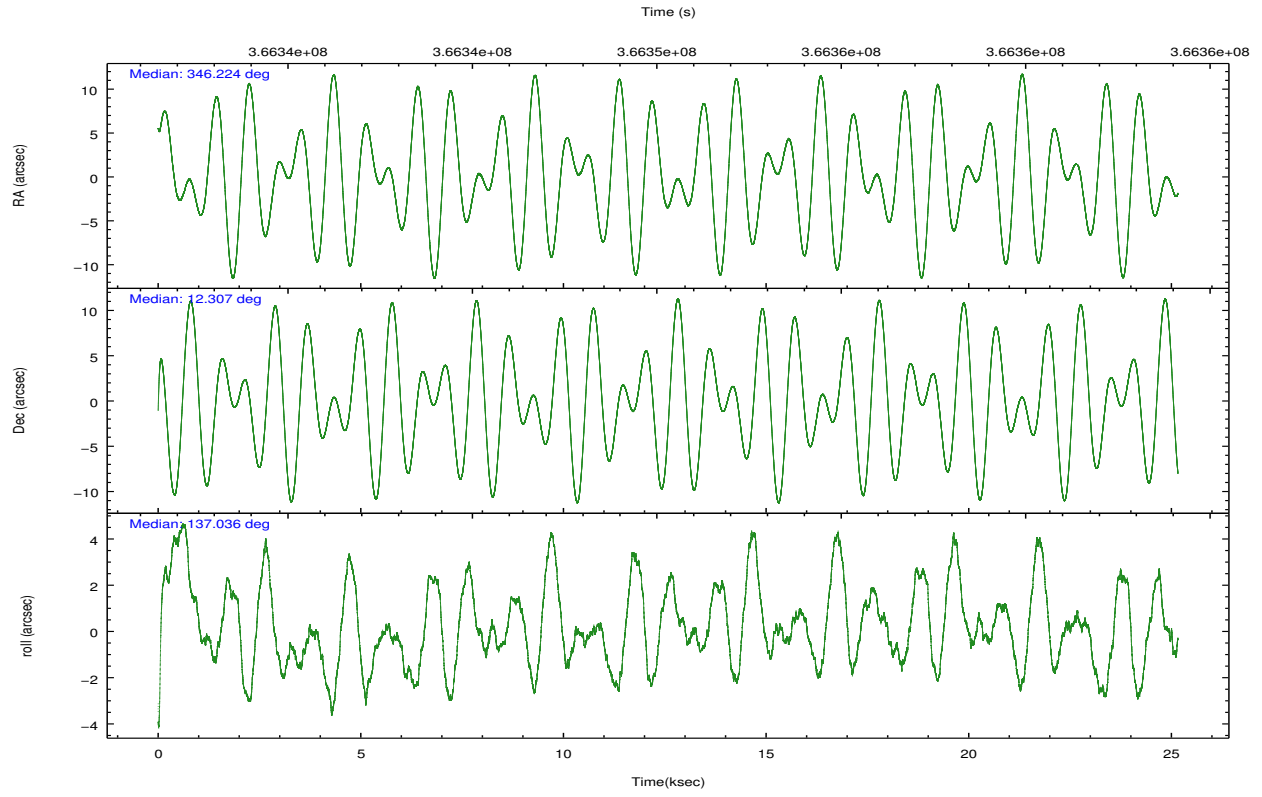
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	228028	203721	280802	211981	206653	261168	grade 0 events	7589	7352	19466	8015	10562	18566
rejected events	207976	184680	134353	190658	106639	195853		3%	3%	6%	3%	5%	7%
rejected %	91%	90%	47%	89%	51%	74%	grade 1 events	120	118	675	116	329	223
								0%	0%	0%	0%	0%	0%
							grade 2 events	5012	4178	46694	4845	22101	16164
								2%	2%	16%	2%	10%	6%
							grade 3 events	2146	2153	6101	2314	9512	7231
								0%	1%	2%	1%	4%	2%
							grade 4 events	2251	2148	5631	2249	9578	6862
								0%	1%	2%	1%	4%	2%
							grade 5 events	5980	7081	22636	7320	22001	11179
								2%	3%	8%	3%	10%	4%
							grade 6 events	3582	3743	72288	4436	50729	18339
								1%	1%	25%	2%	24%	7%
							grade 7 events	201348	176948	107311	182686	81841	182604
								88%	86%	38%	86%	39%	69%

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	346.251236	346.2238913023621	CCD I2 on	O2	Y
[deg] Pointing Dec	12.300766	12.3065336960137	CCD I3 on	O3	Y
[deg] Pointing Roll	136.881607	137.0440566699534	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	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)	366337889.184000	366336505.60248	CCD S5 on	N	N
Observation start date	2009-08-11T00:30:23	2009-08-11T00:08:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	366362889.184000	366363983.29135	On-chip summing requested	N	N
Observation end date	2009-08-11T07:27:03	2009-08-11T07:46:23	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



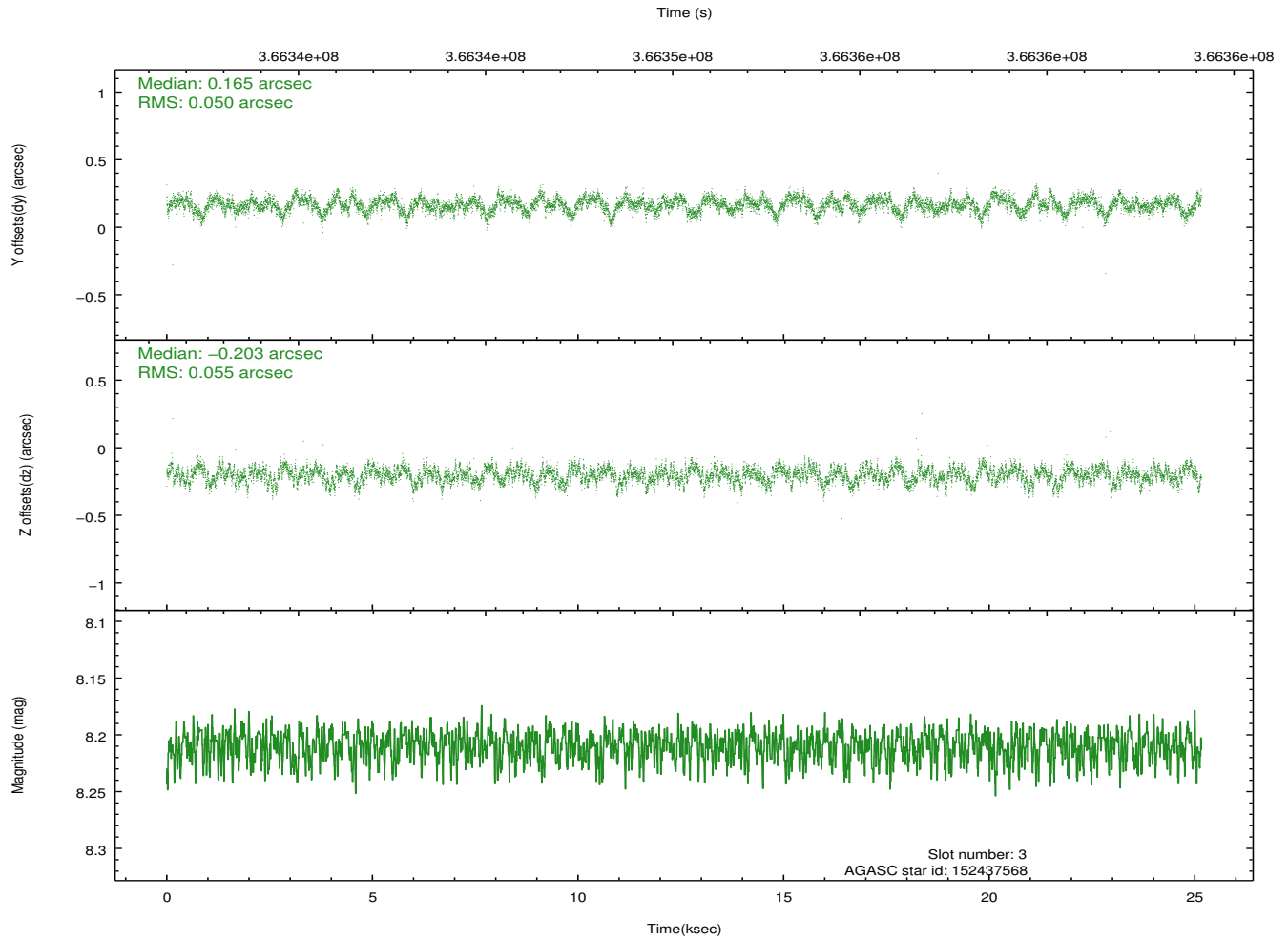
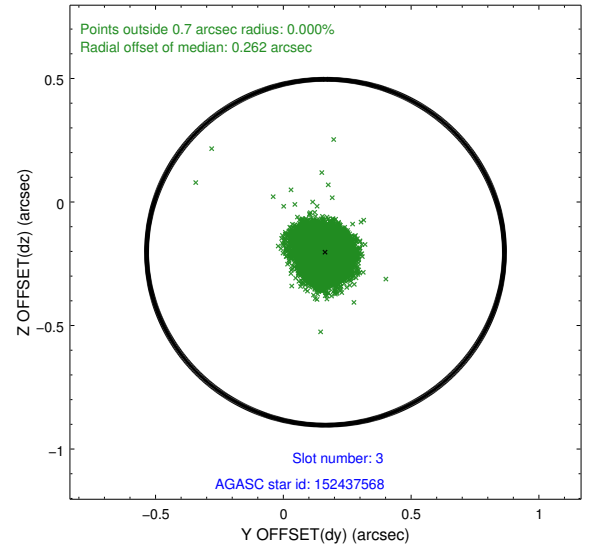
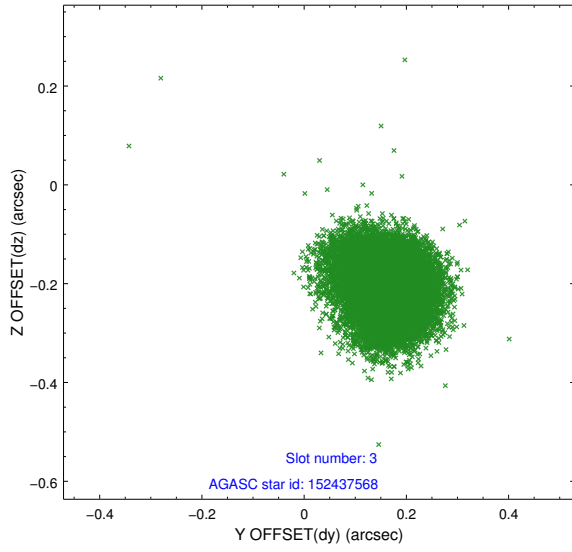


Slot Statistics

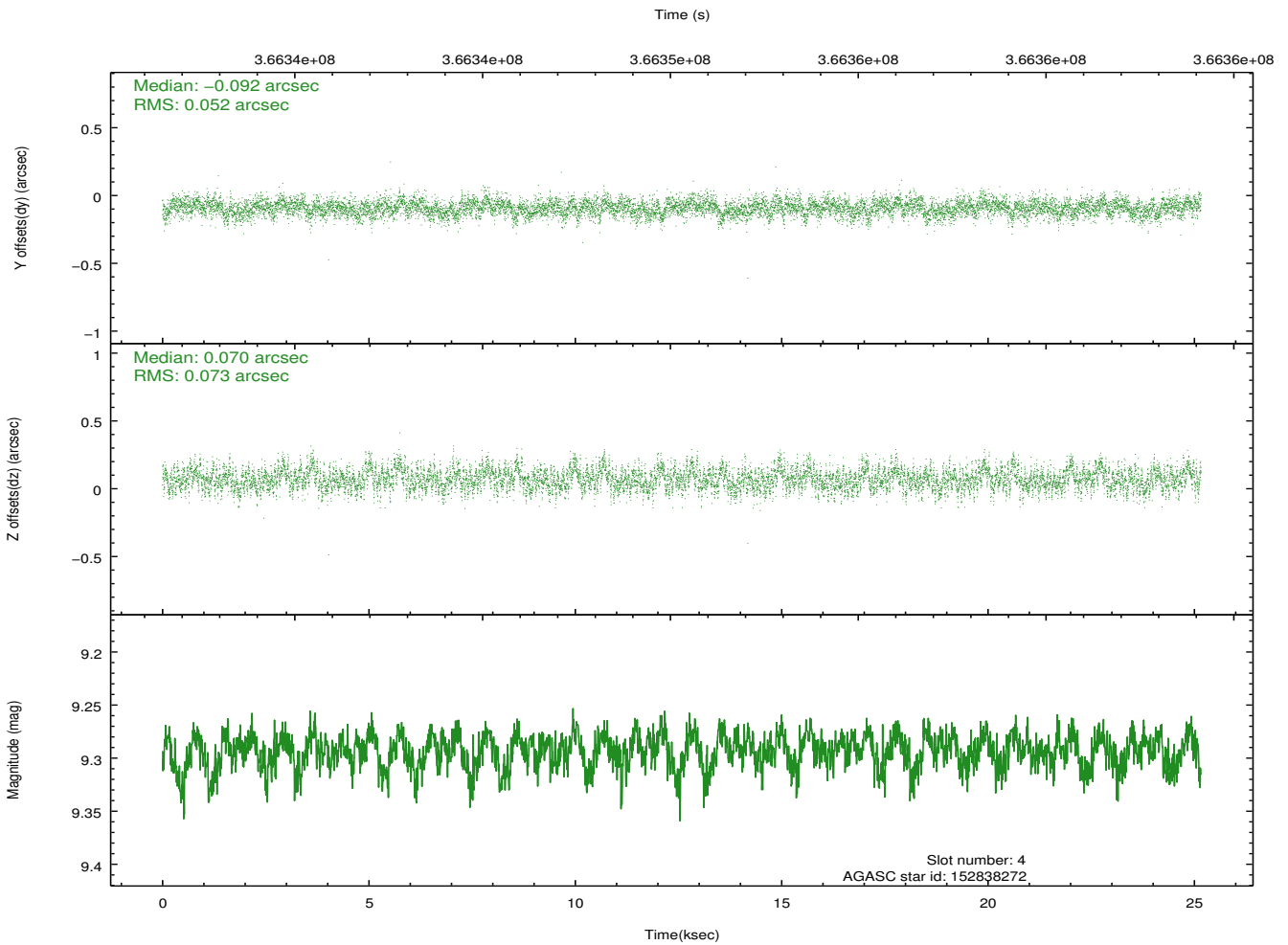
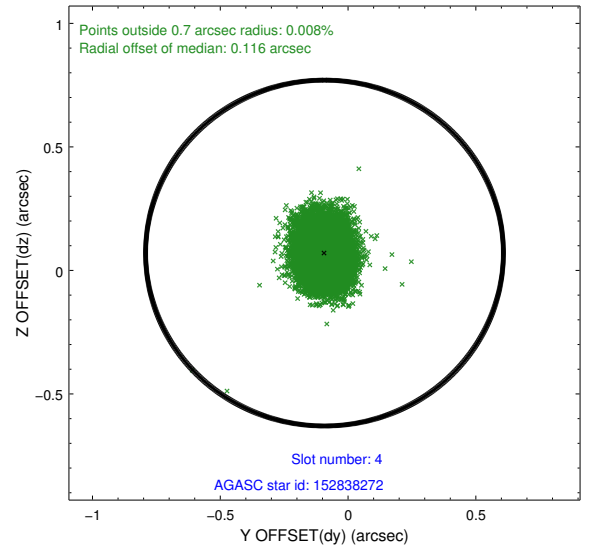
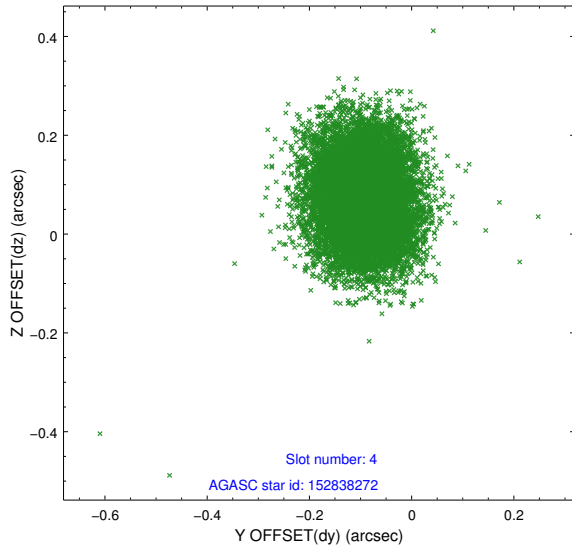
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	6137	-0.072	-0.029	0.007	0.012	0.000000	0.000000	-767.41	-1735.88
1	FID	ACIS-S-4	7.02	6136	0.186	0.043	0.007	0.014	0.000000	0.000000	2146.06	172.58
2	FID	ACIS-S-5	7.05	6137	-0.145	-0.005	0.006	0.011	0.000000	0.000000	-1820.19	166.30
3	GUIDE	152437568	8.21	12272	0.165	-0.203	0.080	0.126	345.940900	11.882679	-230.72	1845.20
4	GUIDE	152838272	9.29	12259	-0.092	0.070	0.095	0.156	346.544098	12.704171	242.74	-1763.13
5	GUIDE	152839144	8.04	12273	0.052	0.089	0.062	0.100	346.738025	12.623103	-453.38	-2017.07
6	GUIDE	152841000	8.98	12266	0.091	0.134	0.081	0.133	346.047738	12.829970	1824.31	-902.21
7	GUIDE	152841288	8.33	12270	-0.210	-0.082	0.088	0.139	345.551008	12.536885	2379.44	1059.17

2.4 Star Slots

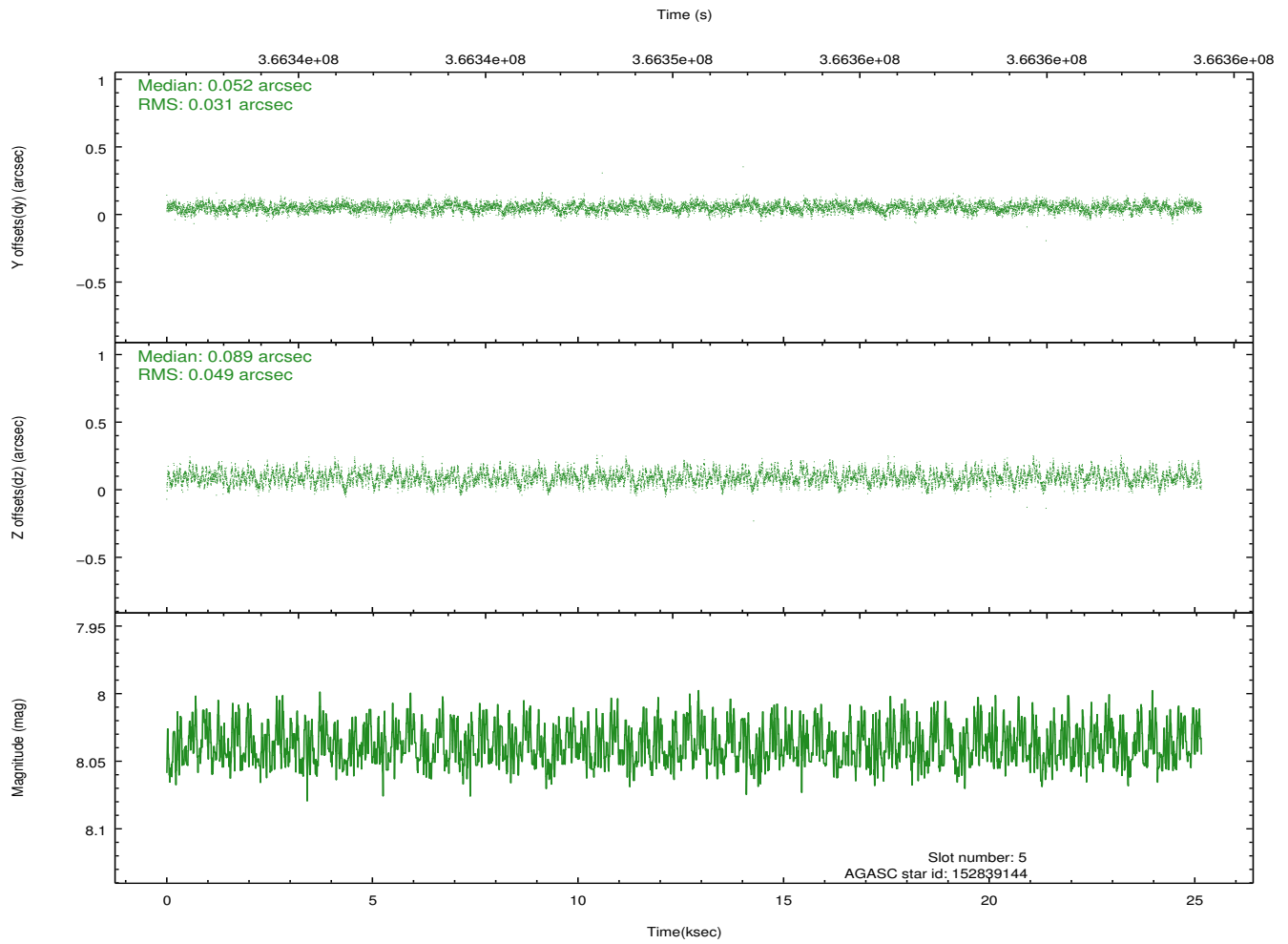
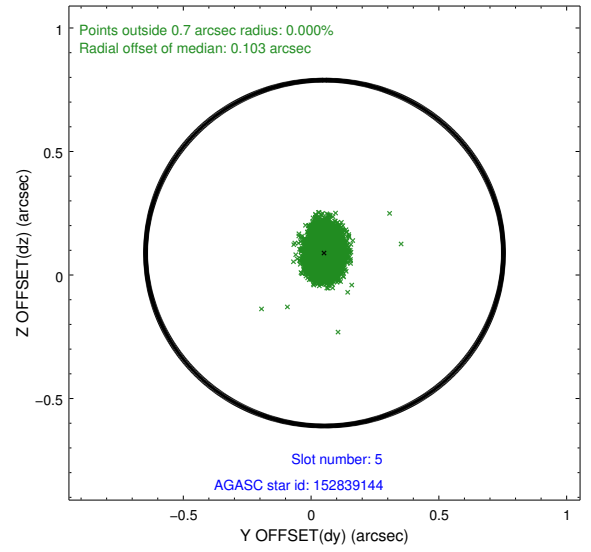
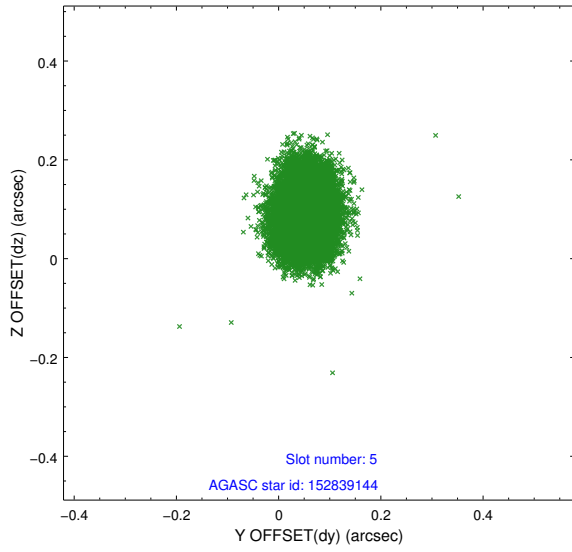
2.4.1 Slot 3



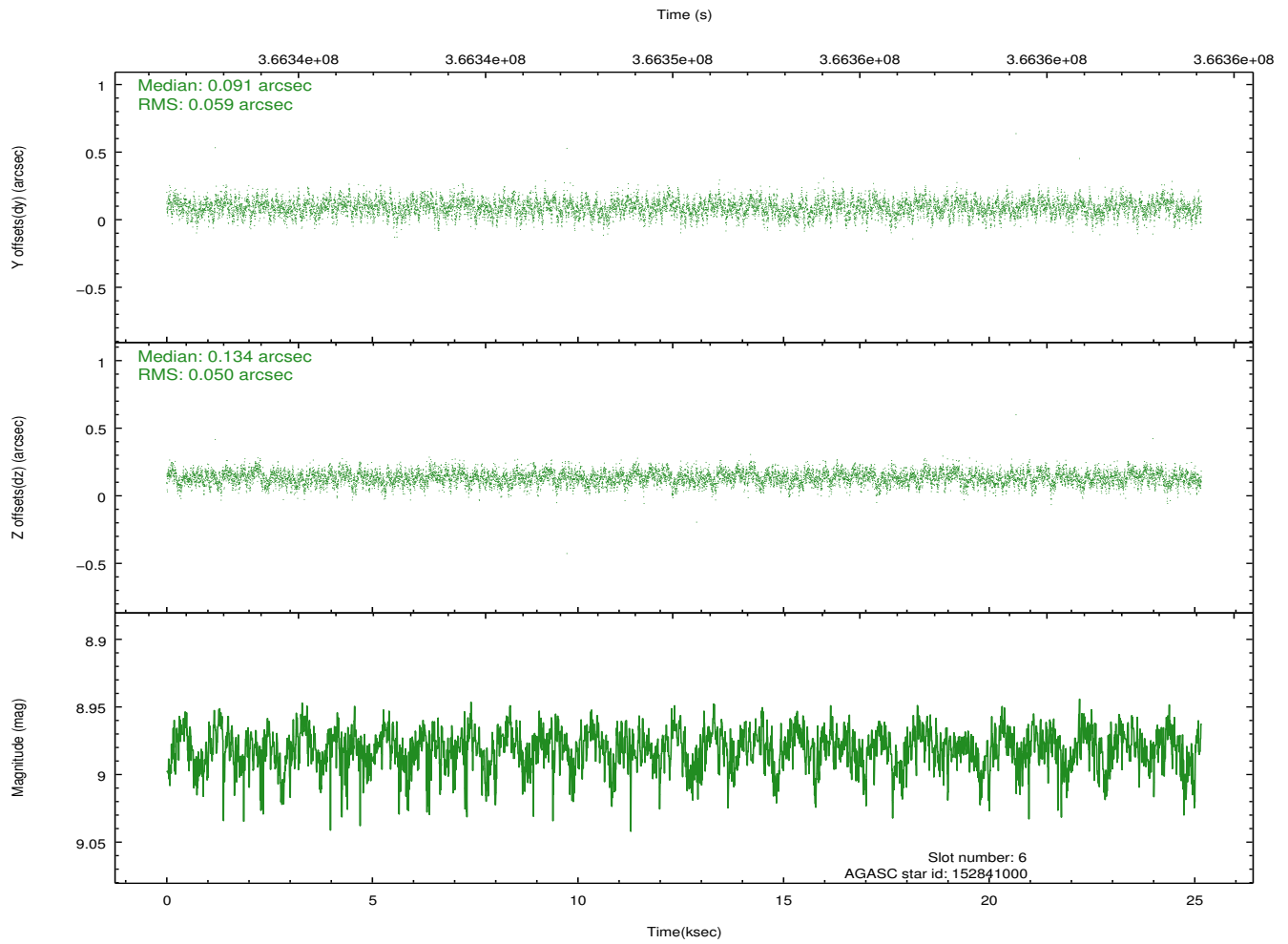
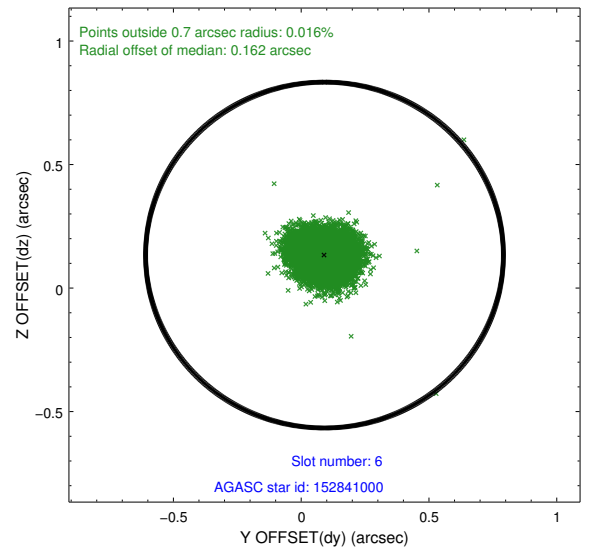
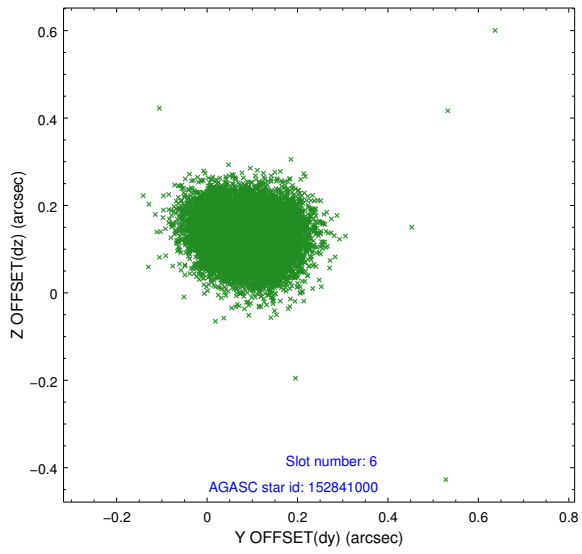
2.4.2 Slot 4



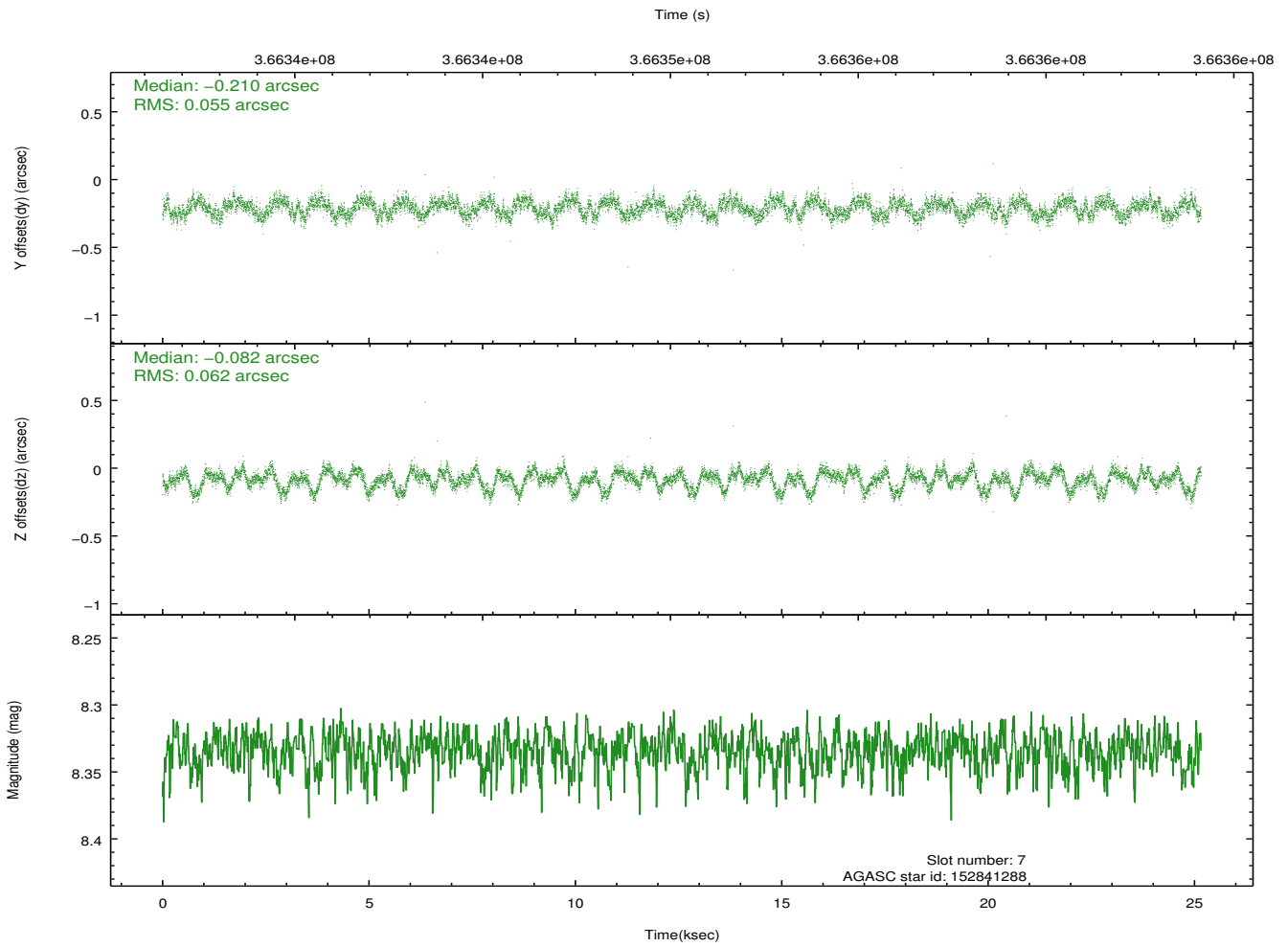
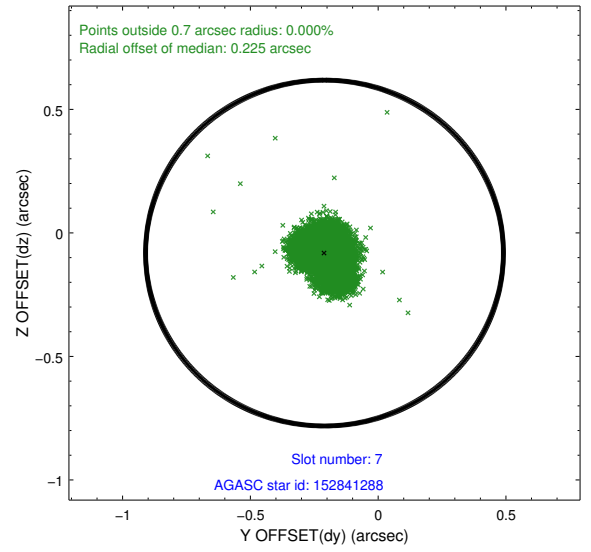
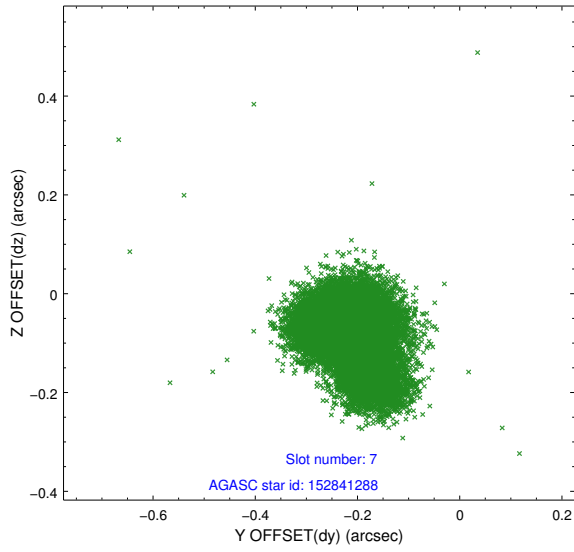
2.4.3 Slot 5



2.4.4 Slot 6

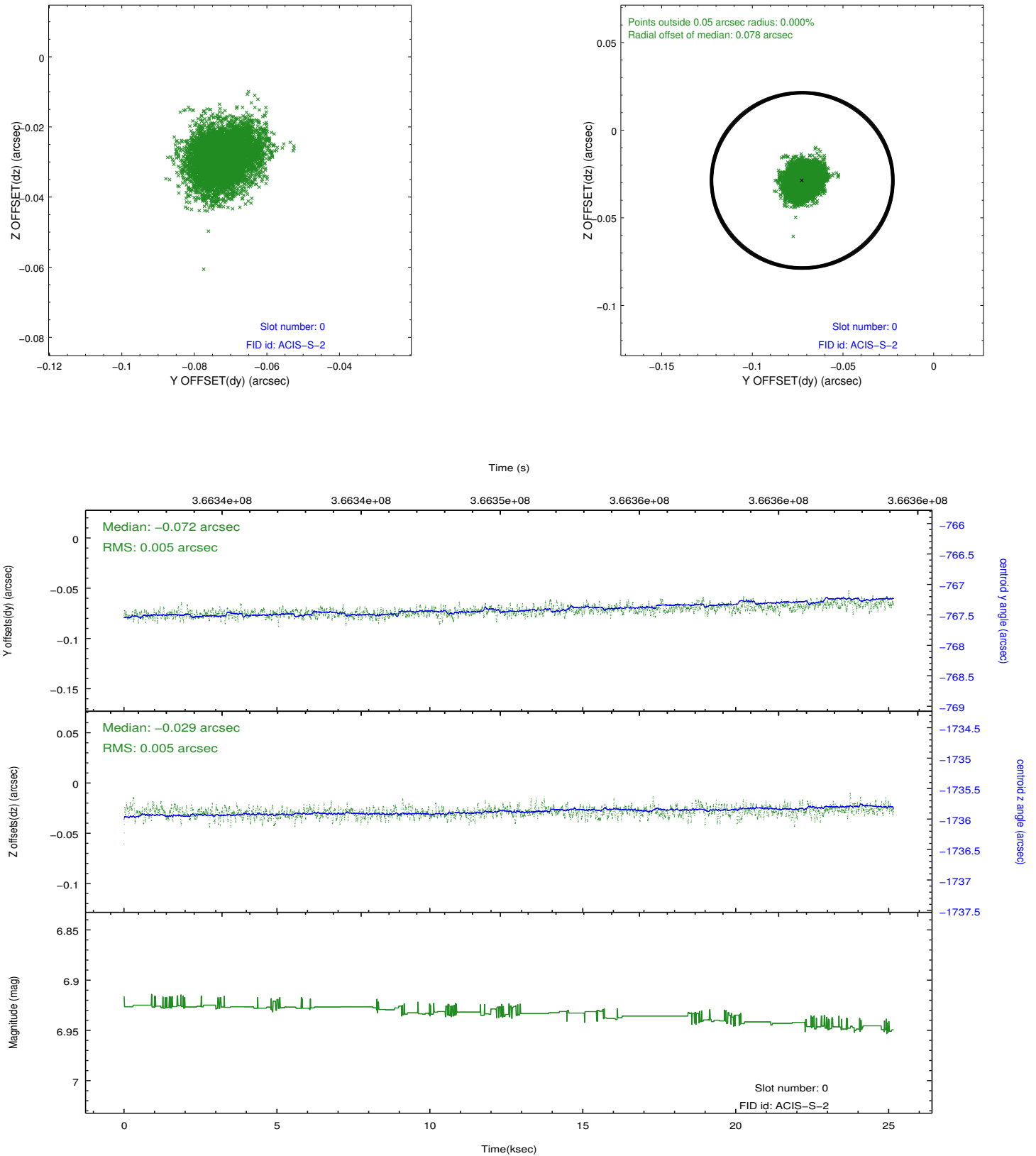


2.4.5 Slot 7

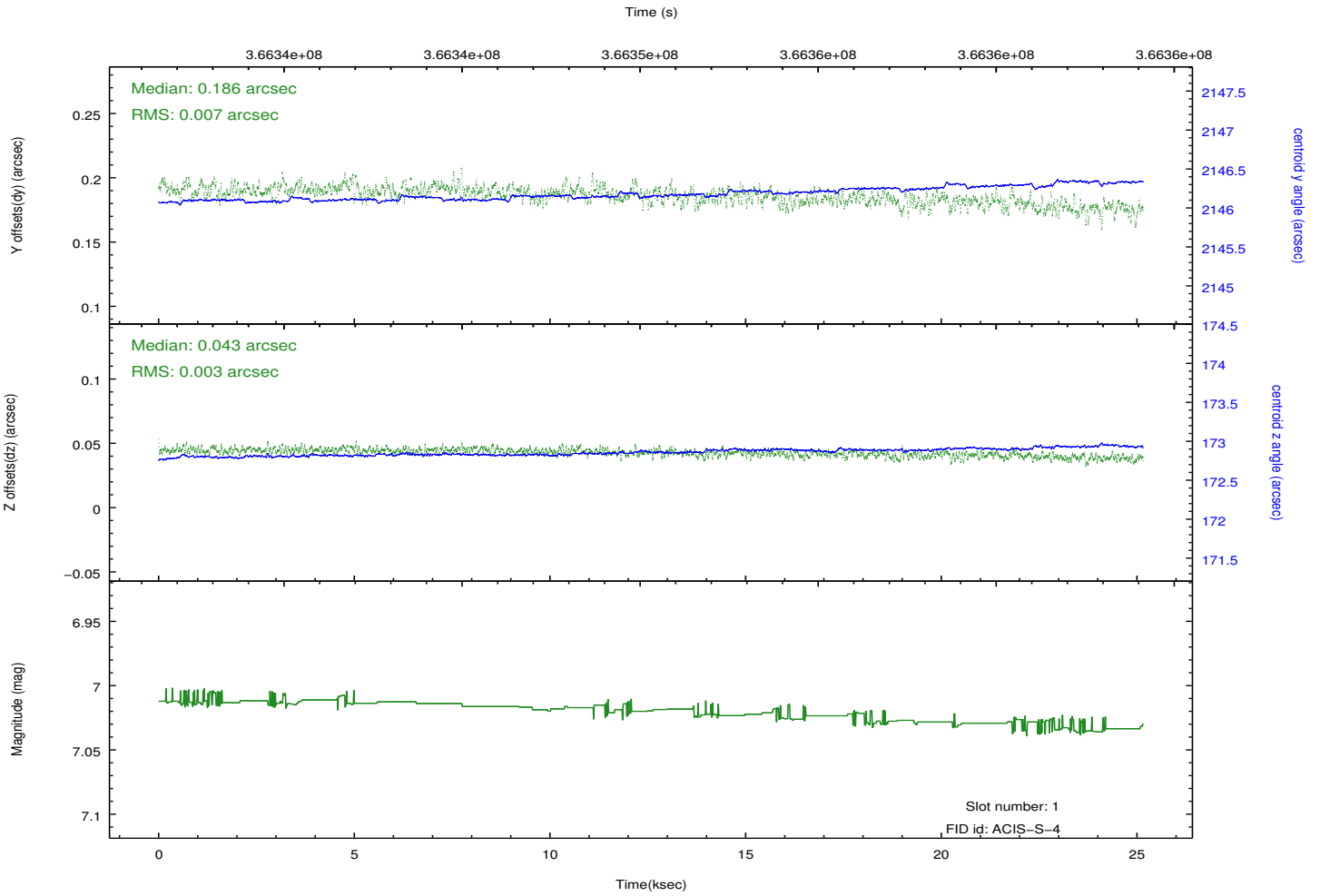
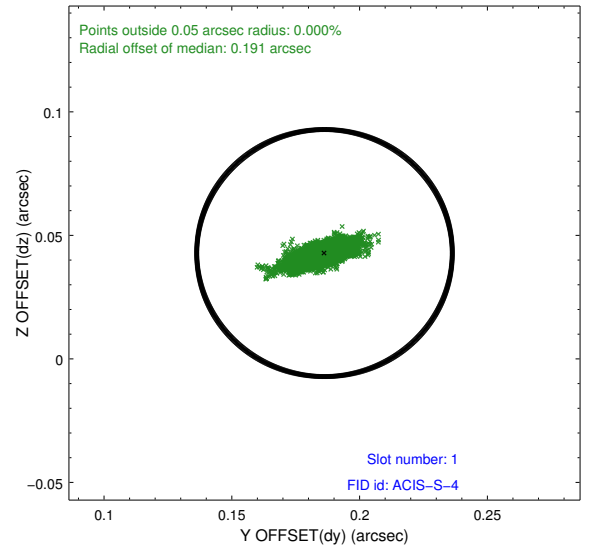
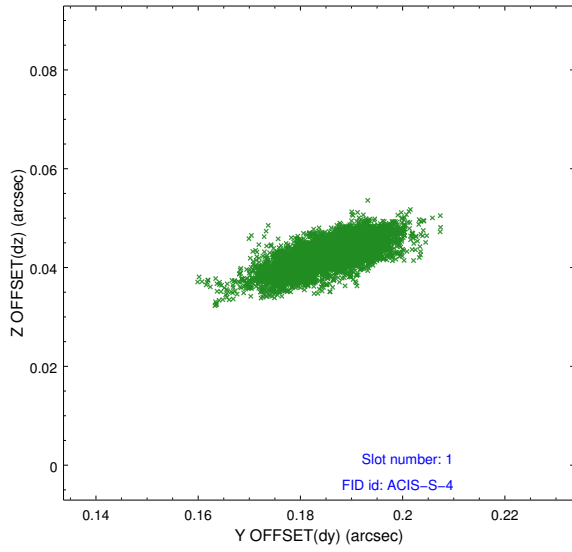


2.5 FID Slots

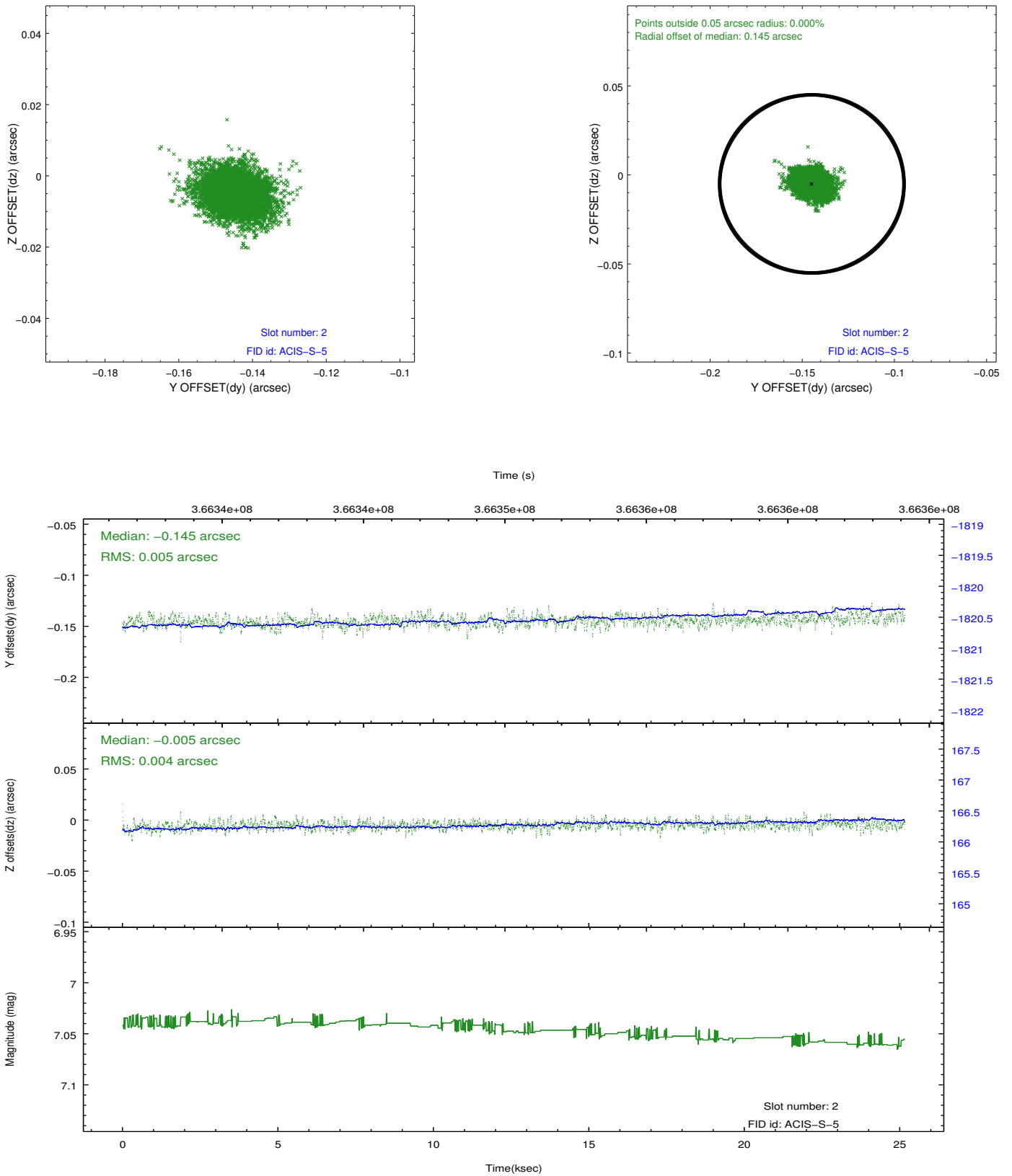
2.5.1 Slot 0



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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.1551999

A.2 Comments