

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1956 - L2 Version 3
Chandra X-Ray Center

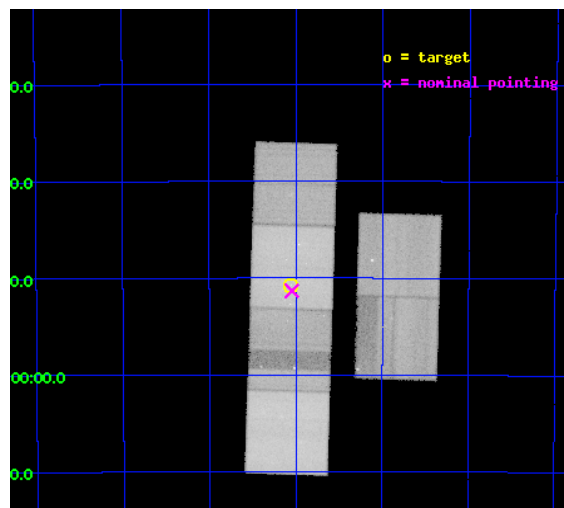
L2 Processing Date : Sep 26 2012

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

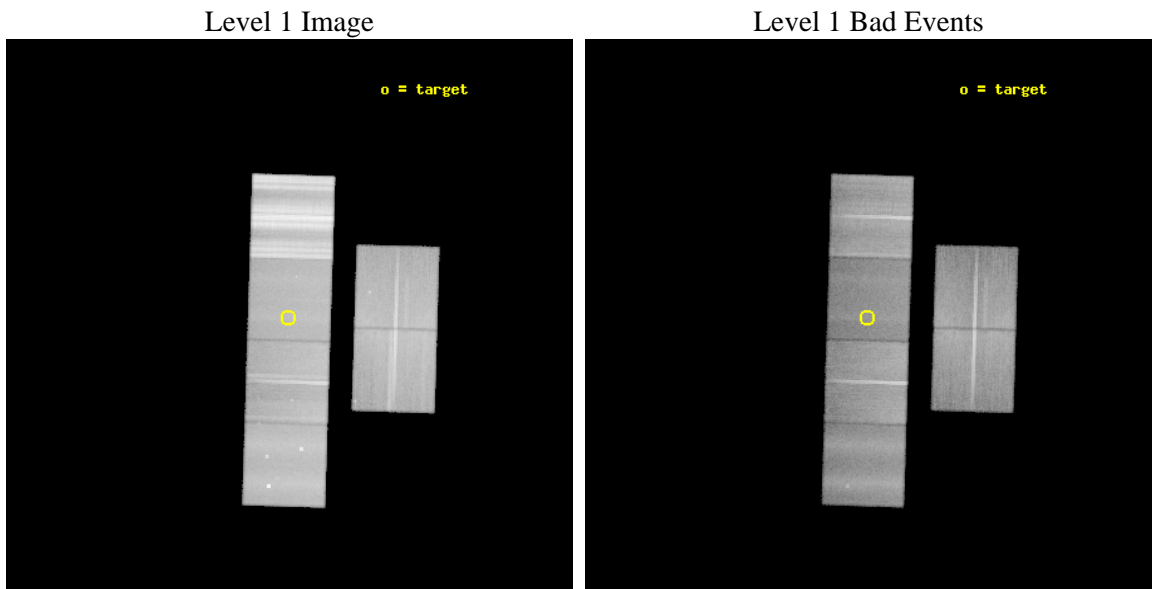
seq_num	500133	Sequence number
obs_id	1956	Observation id
title	PROBING THE GRB-SN CONNECTION WITH CHANDRA	Proposal title
observer	Dr. CHRYSSA KOUVELIOTOU	Principal investigator
object	SN1998BW	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	293.76375	Observer's specified target RA [deg]
dec_targ	-52.845778	Observer's specified target Dec [deg]
ra_nom	293.76136163107	Nominal RA [deg]
dec_nom	-52.855405990431	Nominal Dec [deg]
roll_nom	271.73050541899	Nominal Roll [deg]
revision	3	Processing version of data
ontime	48272.000044942	Sum of GTIs [s]
livetime	47660.750914464	Livetime [s]
ontime2	48272.000044942	Sum of GTIs [s]
ontime3	48268.759114608	Sum of GTIs [s]
ontime5	48272.000044942	Sum of GTIs [s]
ontime6	48268.759084687	Sum of GTIs [s]
ontime7	48272.000044942	Sum of GTIs [s]
ontime8	48272.000044942	Sum of GTIs [s]
l2events	868432	Number of level 2 events



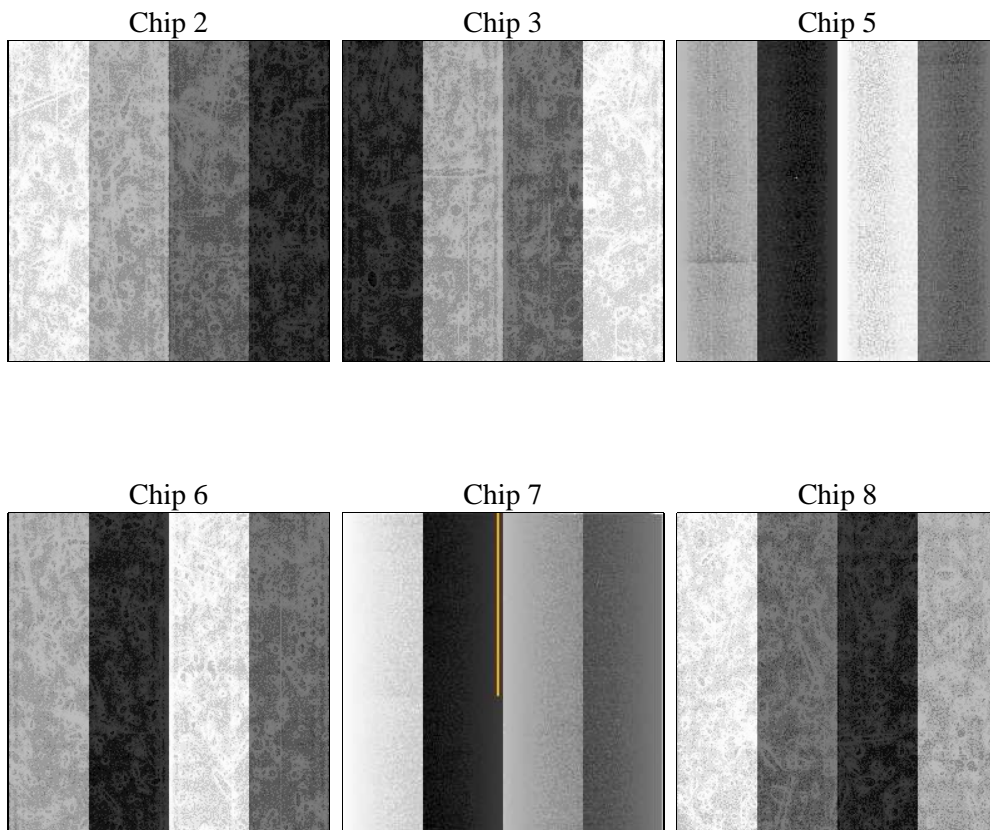
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	5	Obi number	sched_exp_time	48240.815000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	48272.000044942	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	48272.000044942	Sum of GTIs [s]
date	2012-09-26T04:10:07	Date and time of file creation	ontime3	48268.759114608	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	48272.000044942	Sum of GTIs [s]
			ontime6	48268.759084687	Sum of GTIs [s]
			ontime7	48272.000044942	Sum of GTIs [s]
			ontime8	48272.000044942	Sum of GTIs [s]
			l1events	3724052	Number of level 1 events

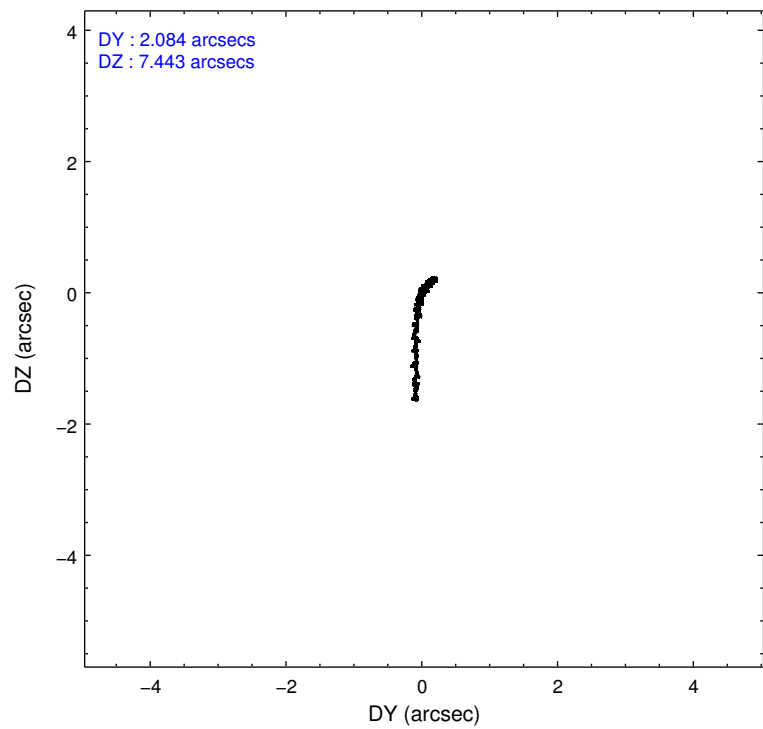
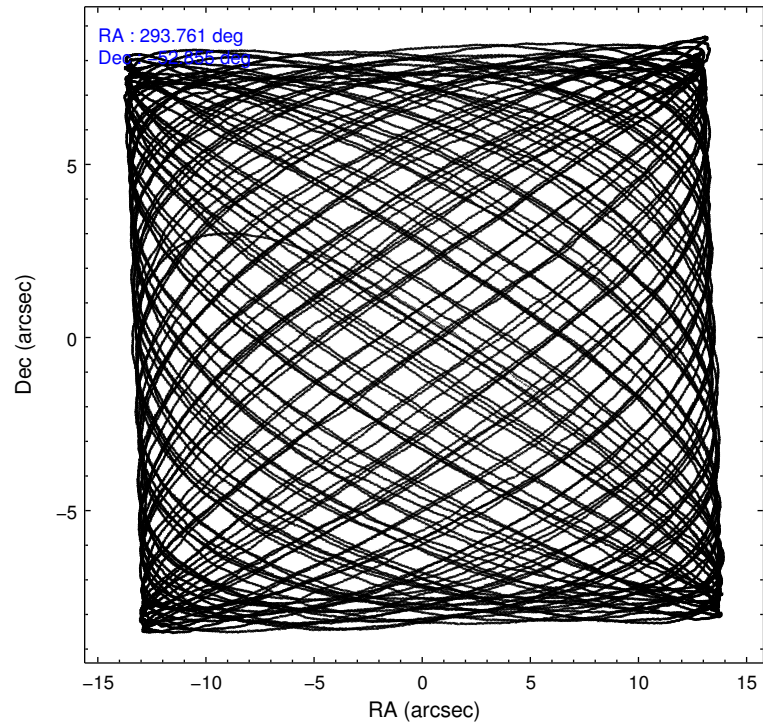
2.1.4 Events

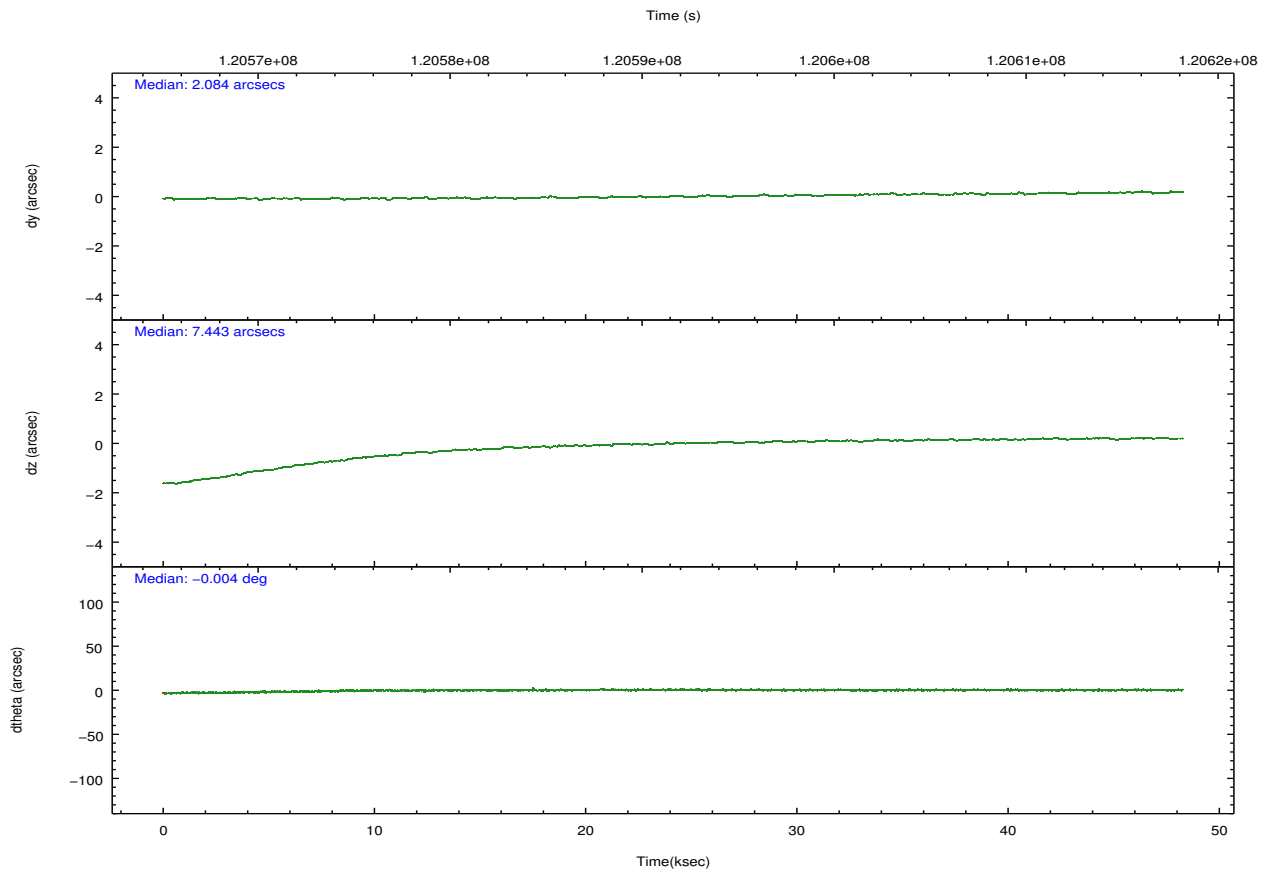
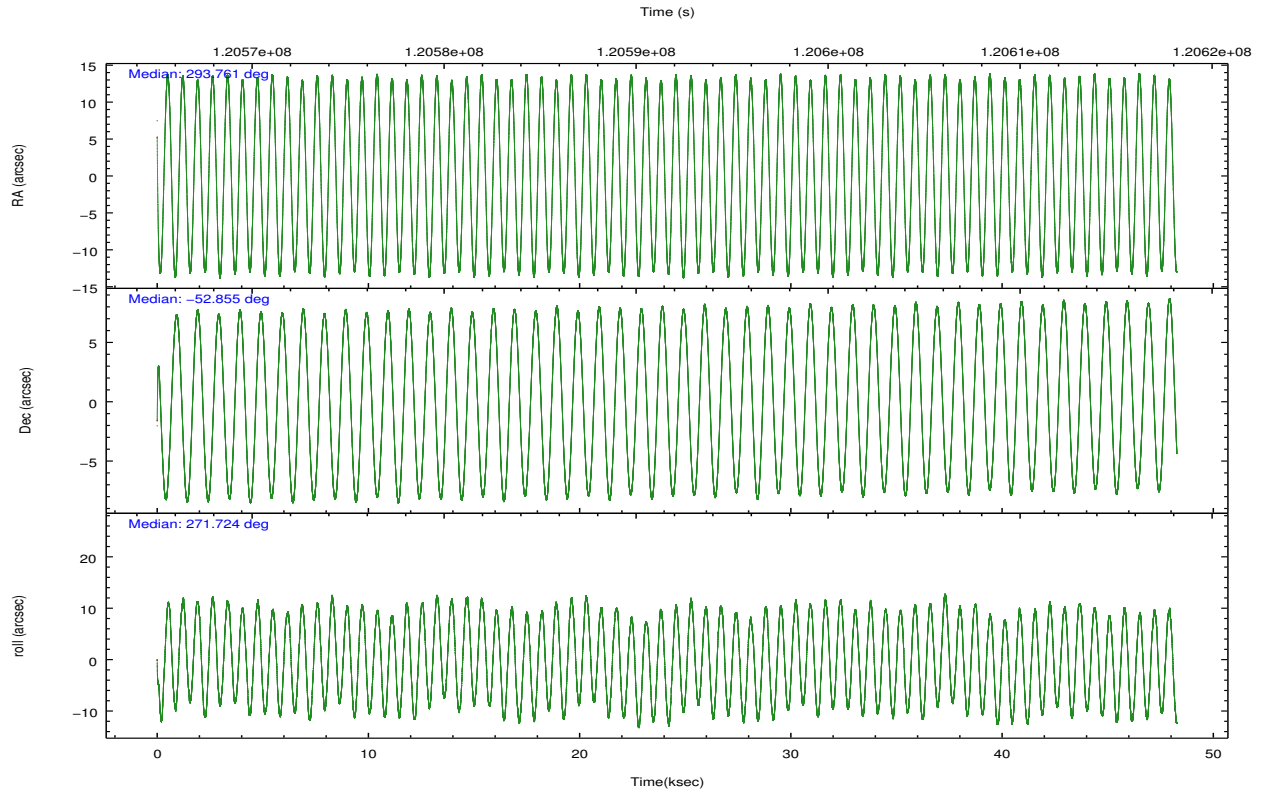
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	493411	464565	563096	484890	467273	1250817	grade 0 events	50795	36974	38059	48076	24463	316774
rejected events	375351	352388	290335	366710	243493	426613		10%	7%	6%	9%	5%	25%
rejected %	76%	75%	51%	75%	52%	34%	grade 1 events	386	213	1964	295	719	2712
								0%	0%	0%	0%	0%	0%
							grade 2 events	30778	37198	79766	36342	47829	88882
								6%	8%	14%	7%	10%	7%
							grade 3 events	3674	4121	18079	4481	20475	165133
								0%	0%	3%	0%	4%	13%
							grade 4 events	7493	5296	17855	4749	20836	145588
								1%	1%	3%	0%	4%	11%
							grade 5 events	10778	11408	37894	12639	39958	21849
								2%	2%	6%	2%	8%	1%
							grade 6 events	25665	28922	120038	24874	110947	110051
								5%	6%	21%	5%	23%	8%
							grade 7 events	363842	340433	249441	353434	202046	399828
								73%	73%	44%	72%	43%	31%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	293.737195	293.7613616310736	Subarray requested	NONE	NONE
[deg] Pointing Dec	-52.832380	-52.85540599043128	Alternating exposures requested	N	N
[deg] Pointing Roll	271.554624	271.7305054189944	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	120567510.184000	120566470.29789			
Observation start date	2001-10-27T10:57:26	2001-10-27T10:41:10			
[s] Observation end time (MET)	120615750.184000	120616064.92486			
Observation end date	2001-10-28T00:21:26	2001-10-28T00:27:44			
Read mode	TIMED	TIMED			

2.3 Aspect



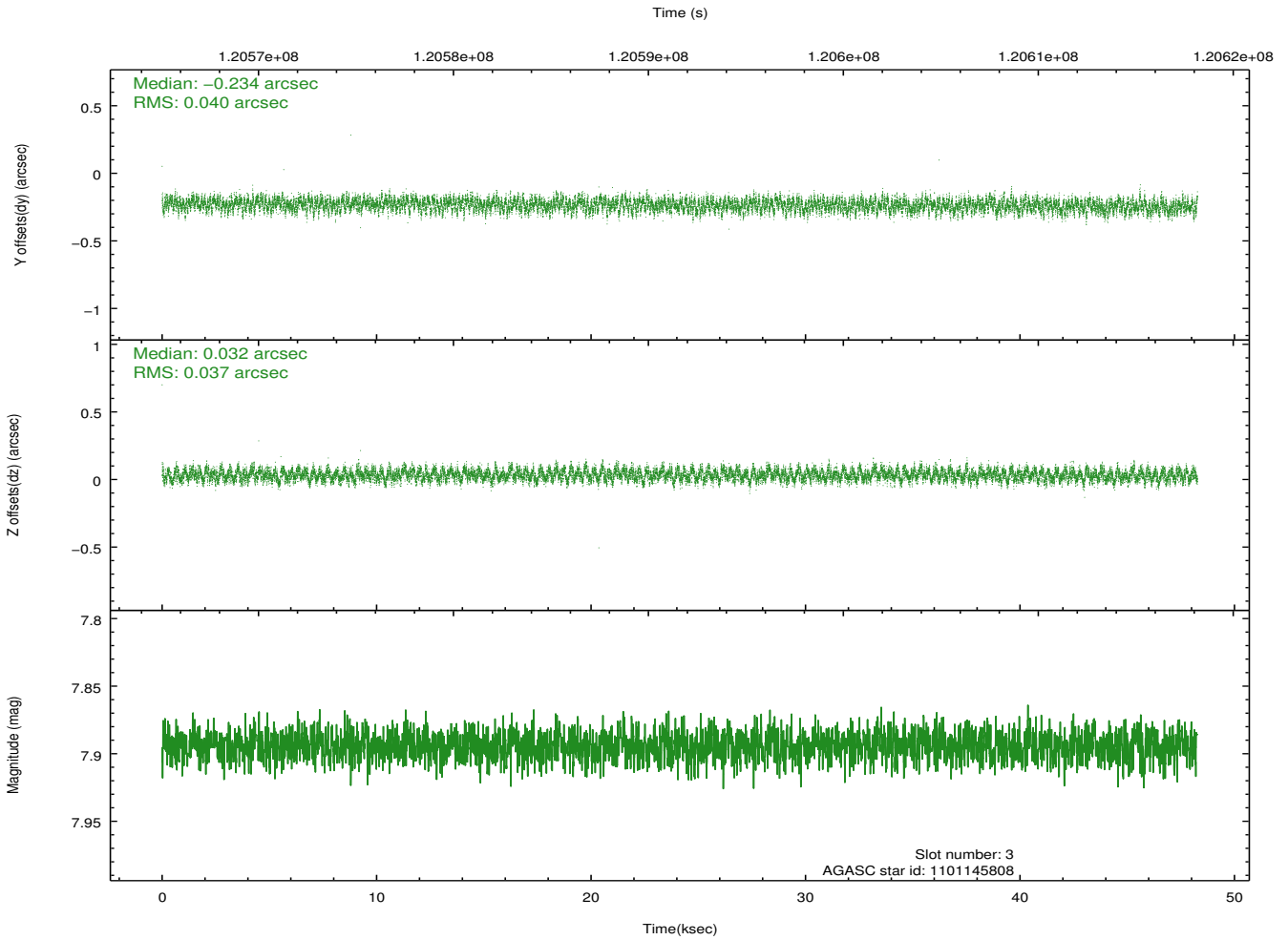
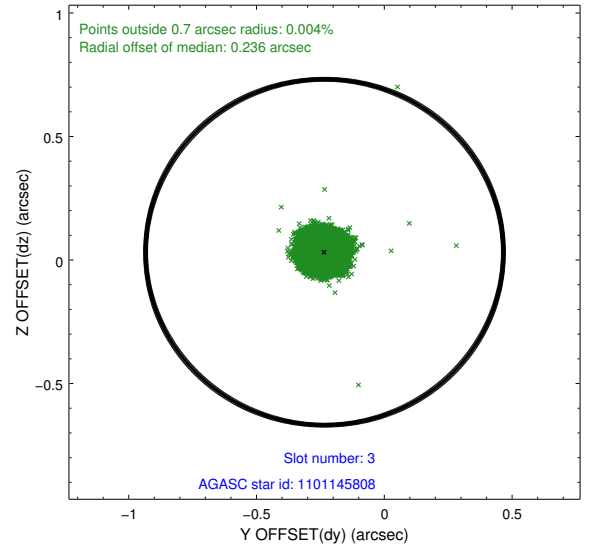
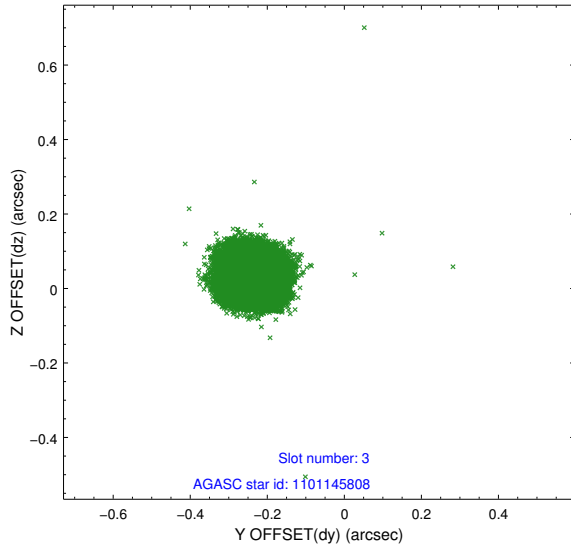


Slot Statistics

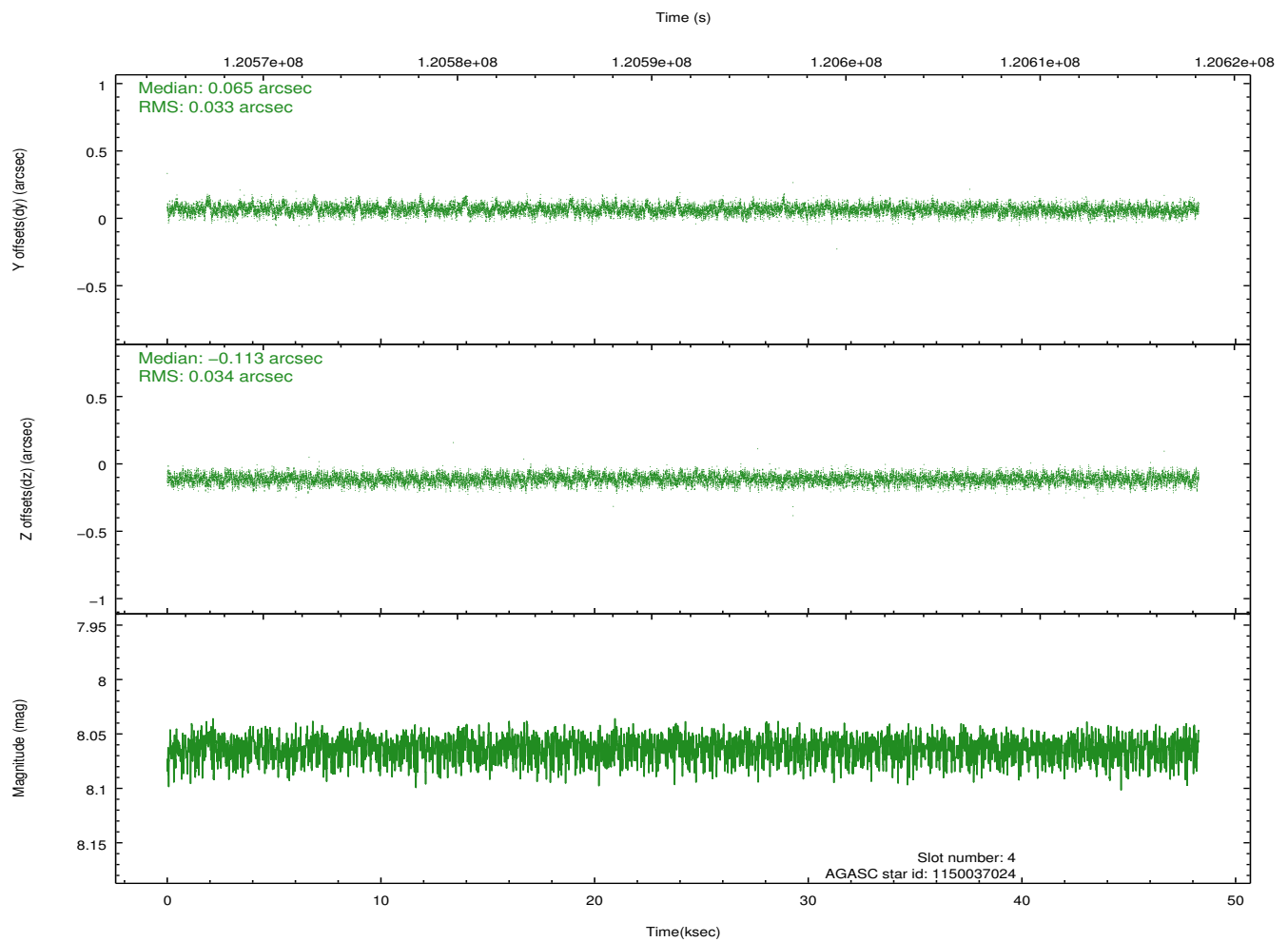
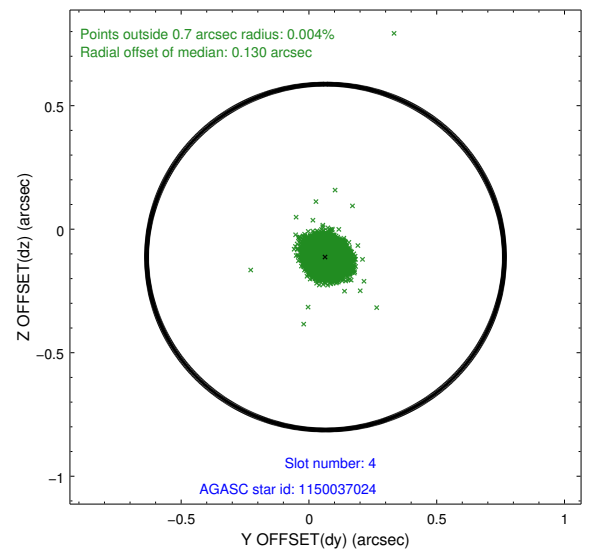
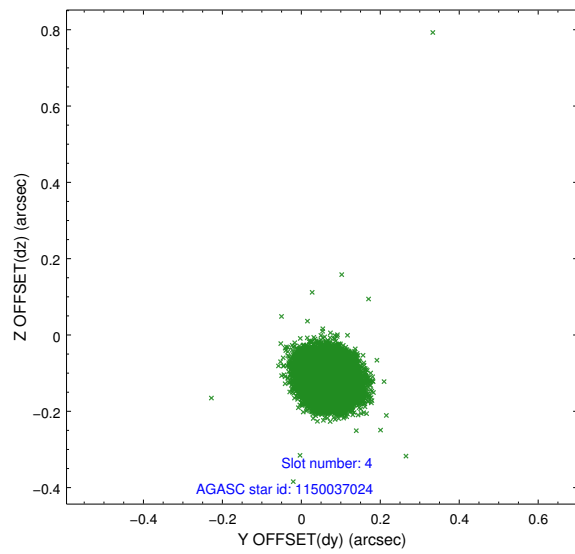
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	11775	-0.005	-0.000	0.010	0.027	0.000000	0.000000	-754.72	-1728.40
1	FID	ACIS-S-4	7.20	11775	-0.014	0.001	0.007	0.012	0.000000	0.000000	2158.55	180.11
2	FID	ACIS-S-6	7.35	11775	-0.008	0.008	0.010	0.020	0.000000	0.000000	407.24	817.49
3	GUIDE	1101145808	7.89	23548	-0.234	0.032	0.059	0.091	293.617600	-52.269429	-2031.97	-208.01
4	GUIDE	1150037024	8.06	23547	0.065	-0.113	0.050	0.080	293.877438	-53.119506	1042.87	275.41
5	GUIDE	1148327760	8.24	23543	0.062	-0.031	0.068	0.110	292.965317	-53.360492	1865.94	-1708.81
6	GUIDE	1148328048	8.27	23547	0.053	-0.034	0.061	0.097	292.901720	-53.257662	1493.72	-1839.76
7	GUIDE	1150040320	9.94	23531	0.059	0.149	0.113	0.183	294.654423	-53.358370	1960.06	1919.15

2.4 Star Slots

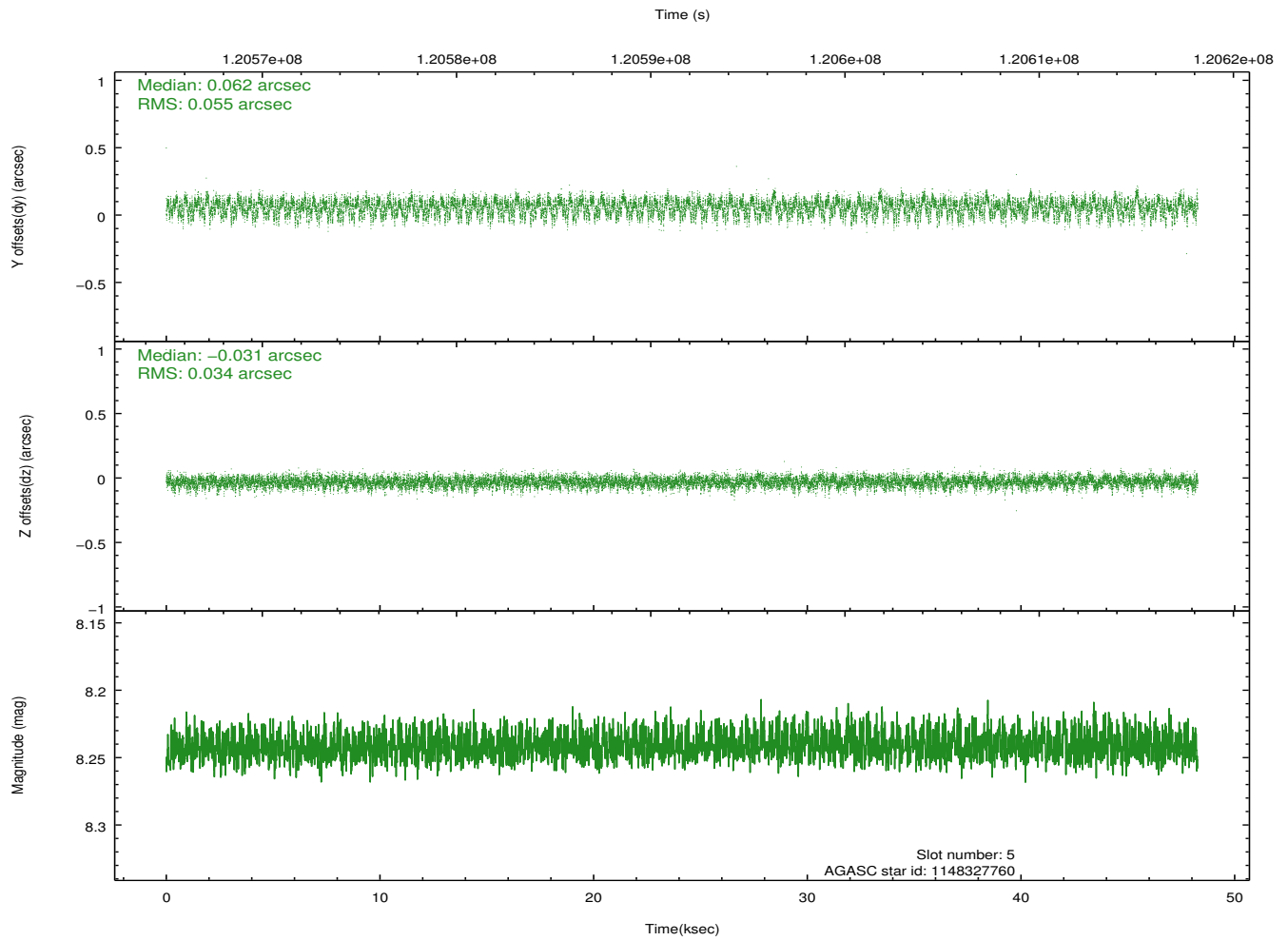
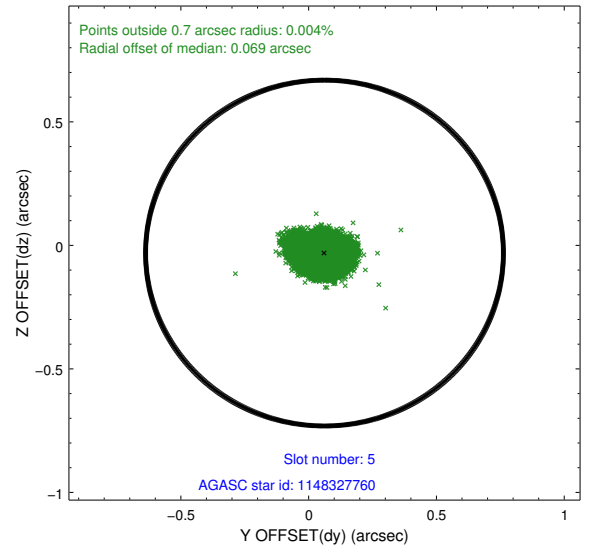
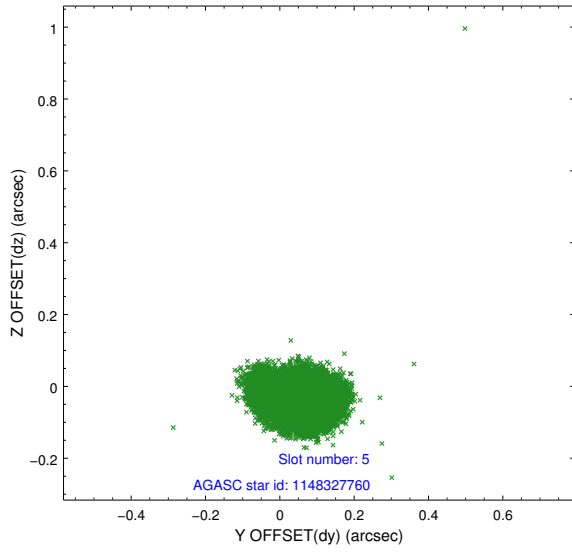
2.4.1 Slot 3



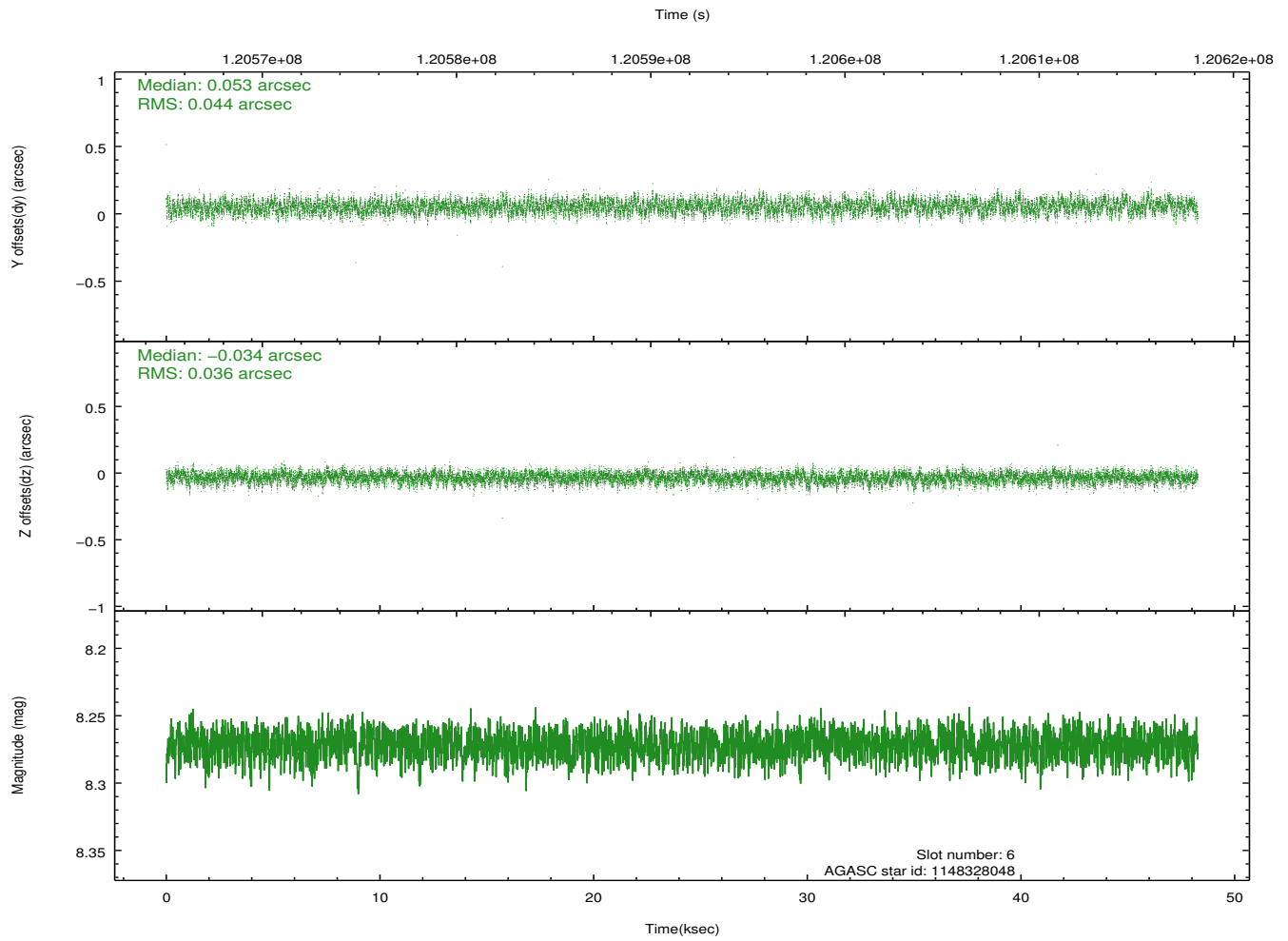
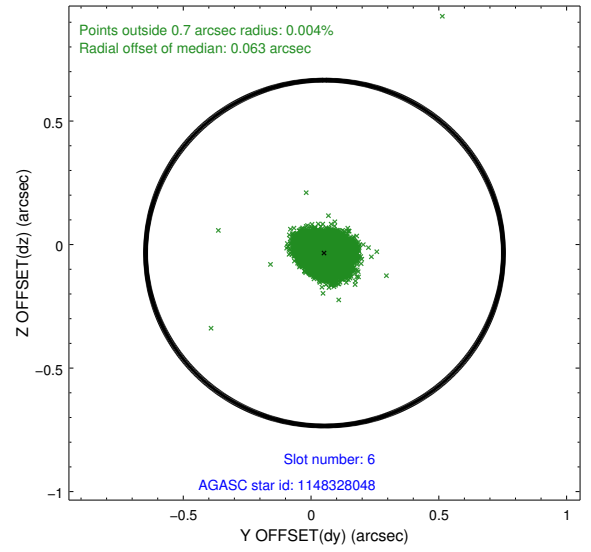
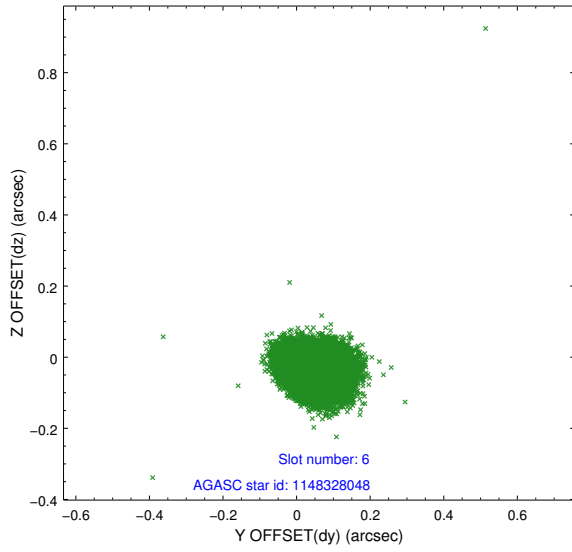
2.4.2 Slot 4



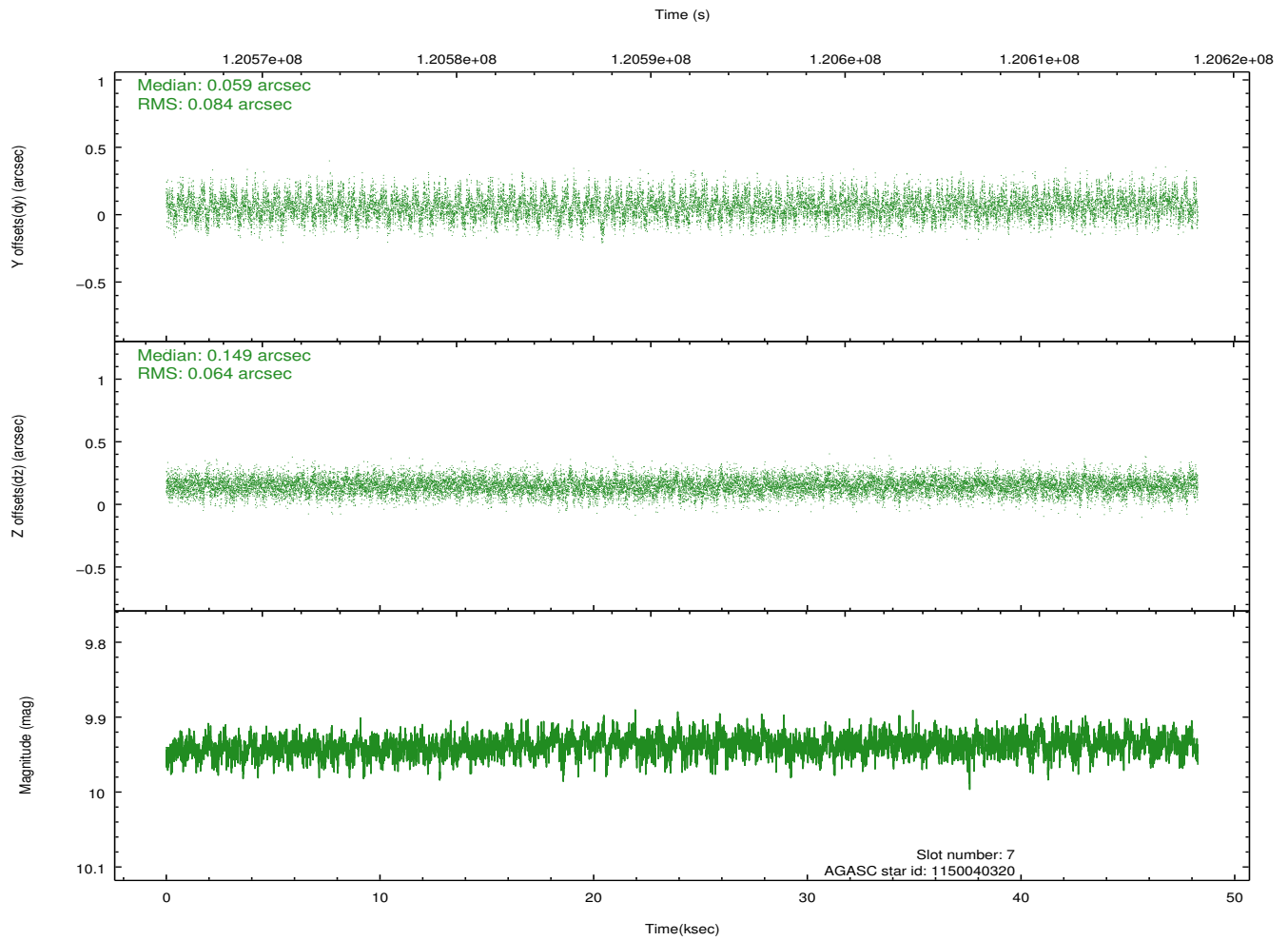
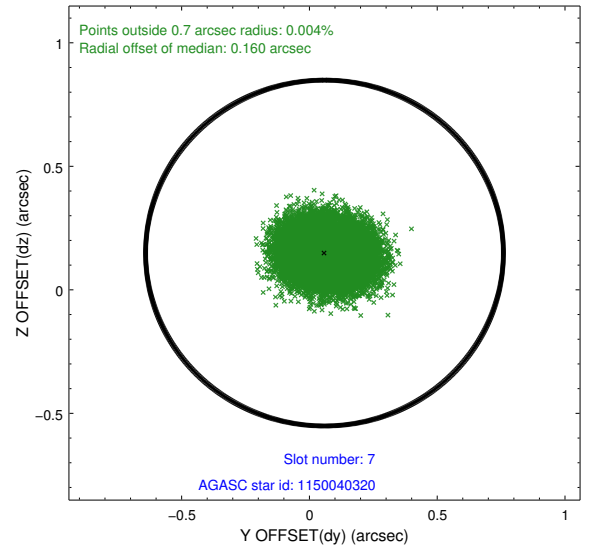
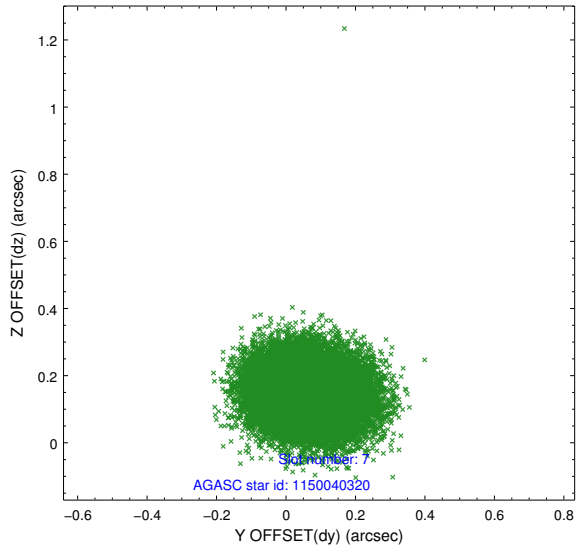
2.4.3 Slot 5



2.4.4 Slot 6

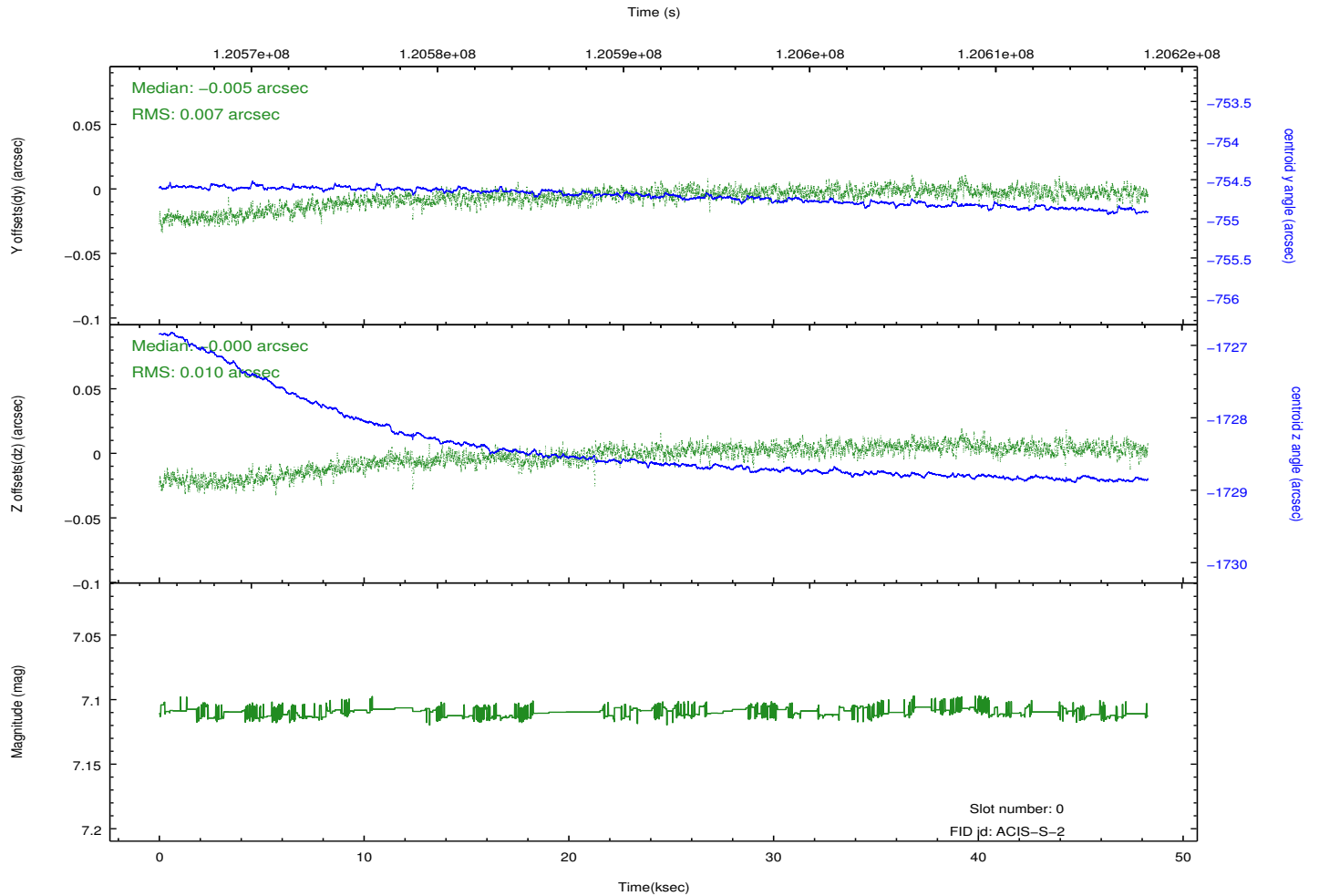
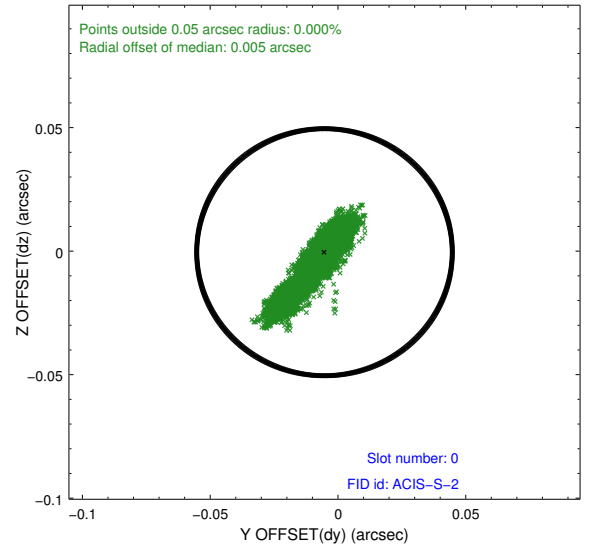
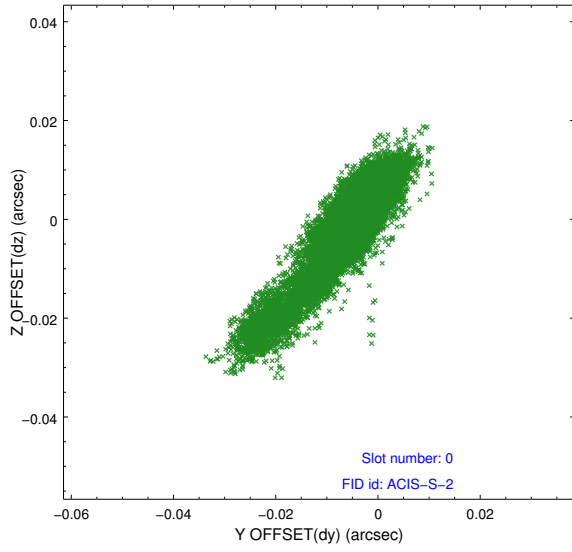


2.4.5 Slot 7

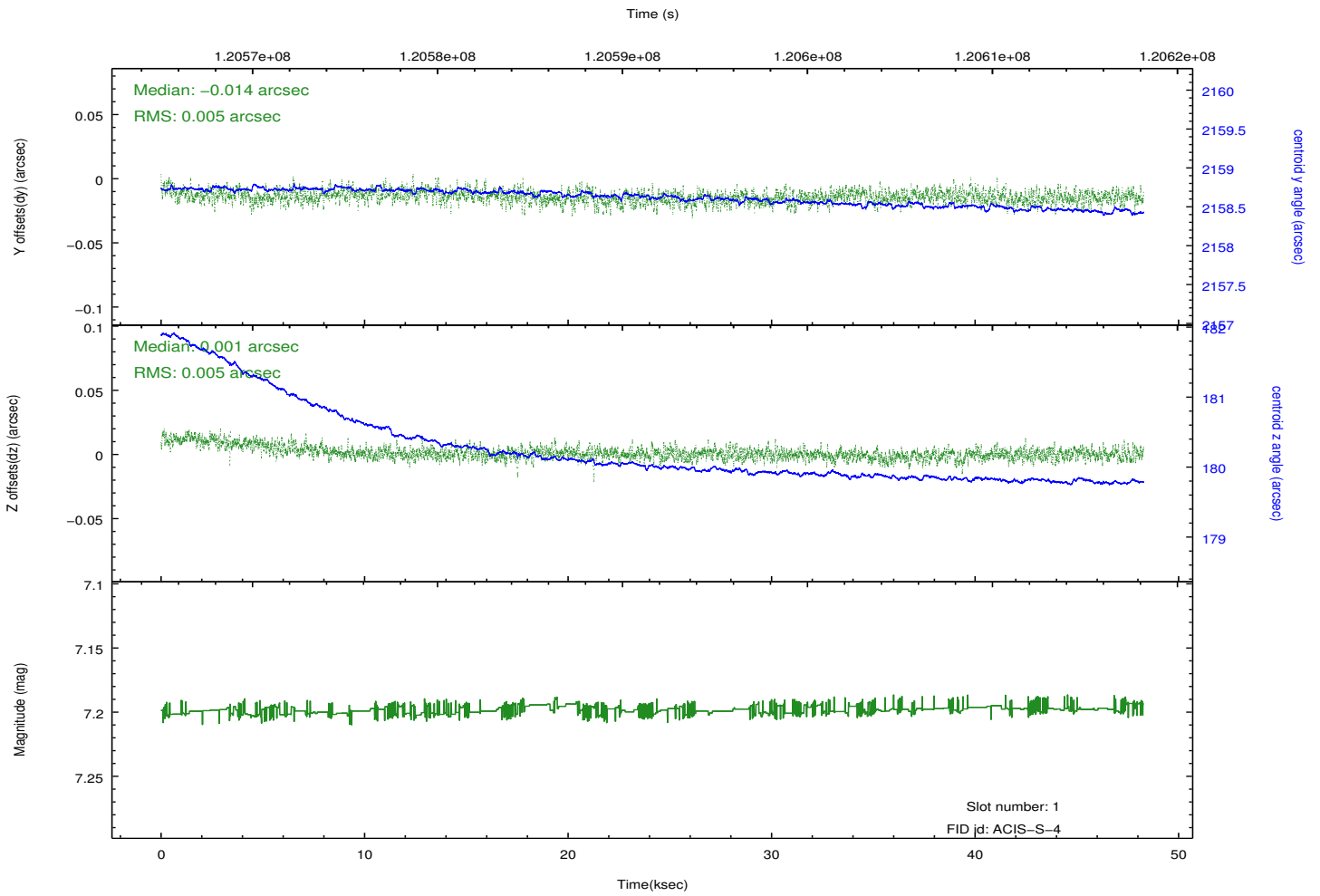
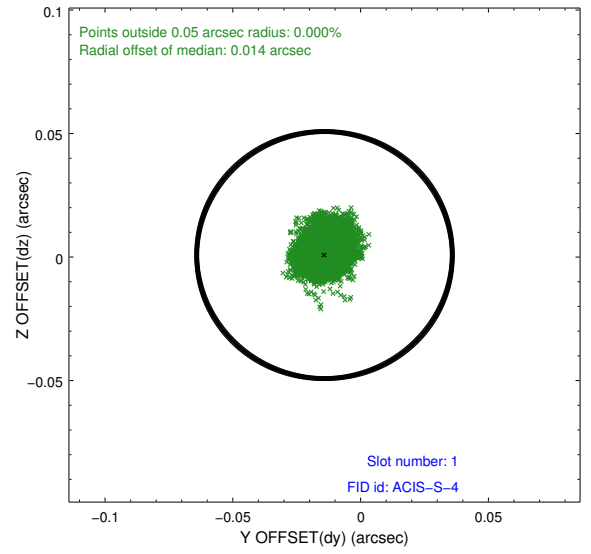
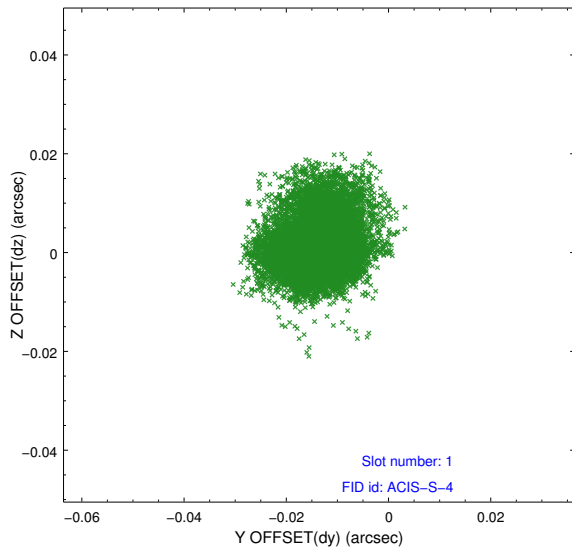


2.5 FID Slots

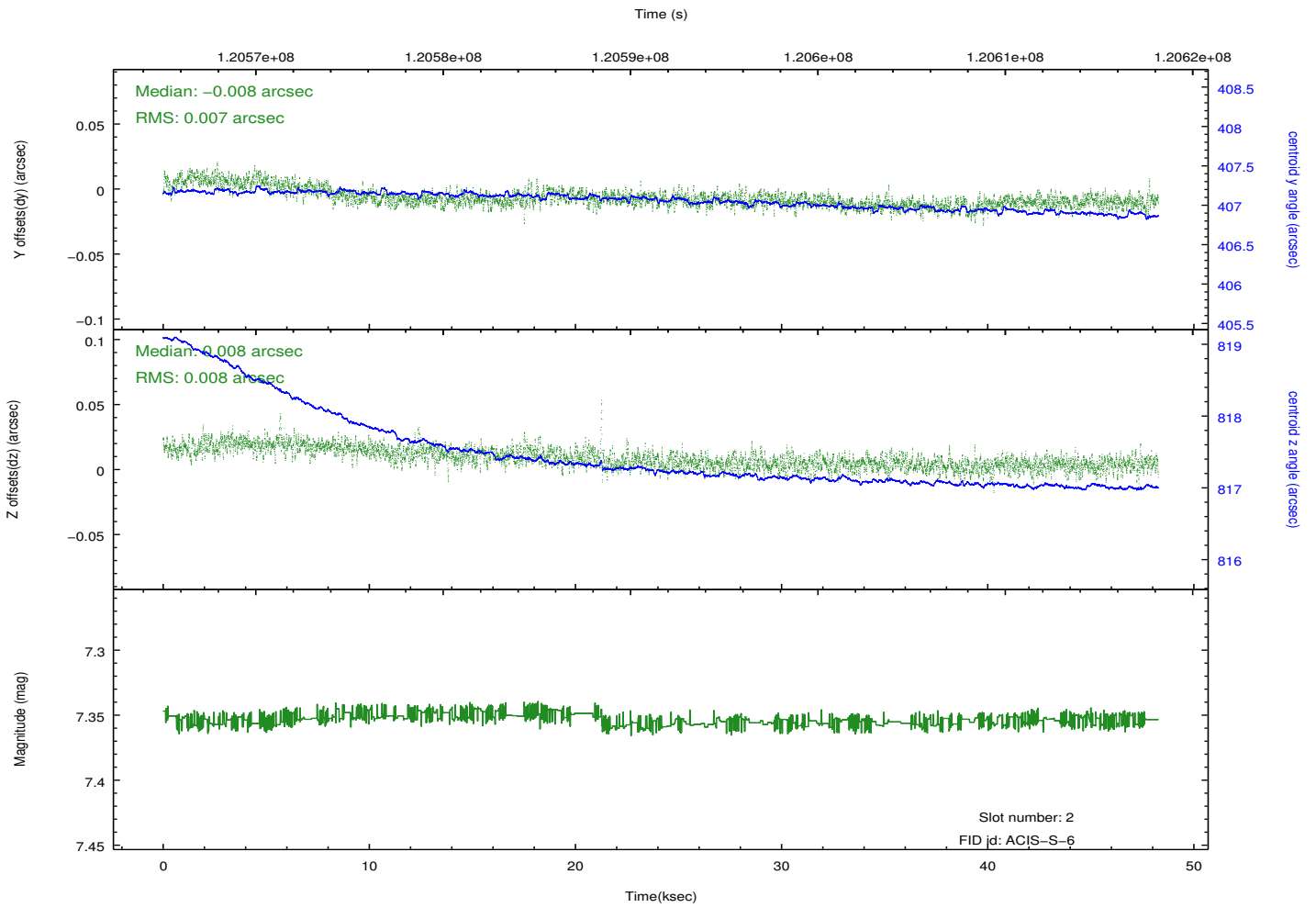
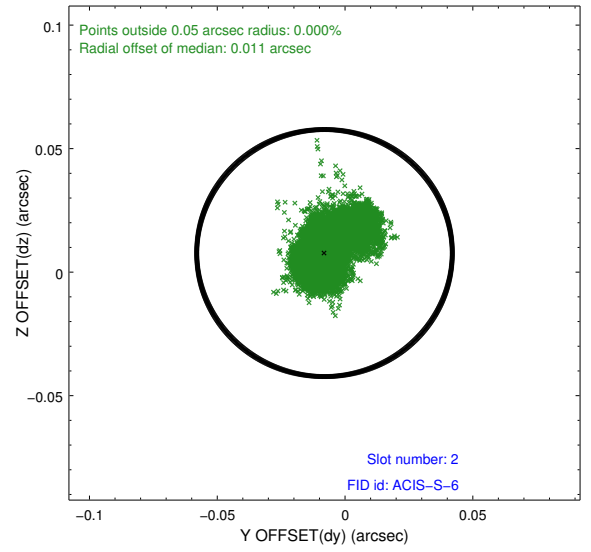
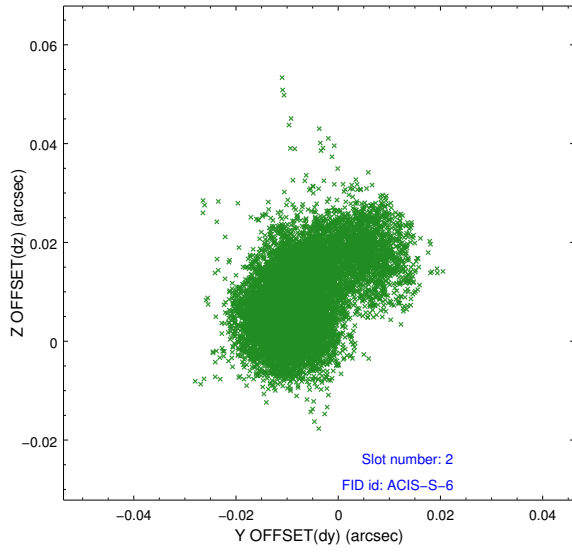
2.5.1 Slot 0



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)	2012.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.272

A.2 Comments