

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8558 - L2 Version 2
Chandra X-Ray Center

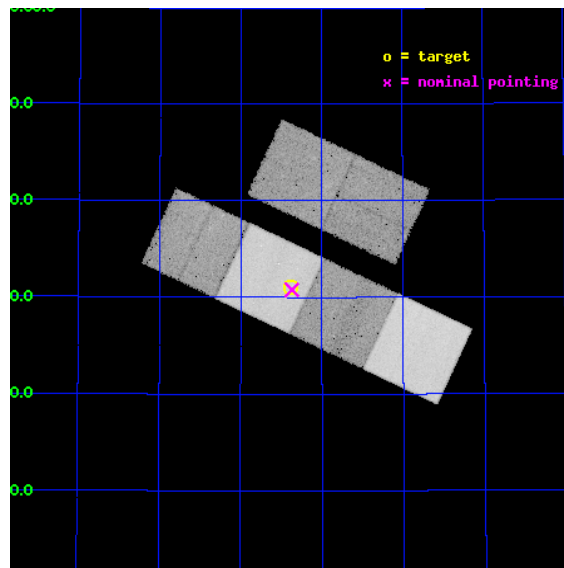
L2 Processing Date : Apr 25 2012

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

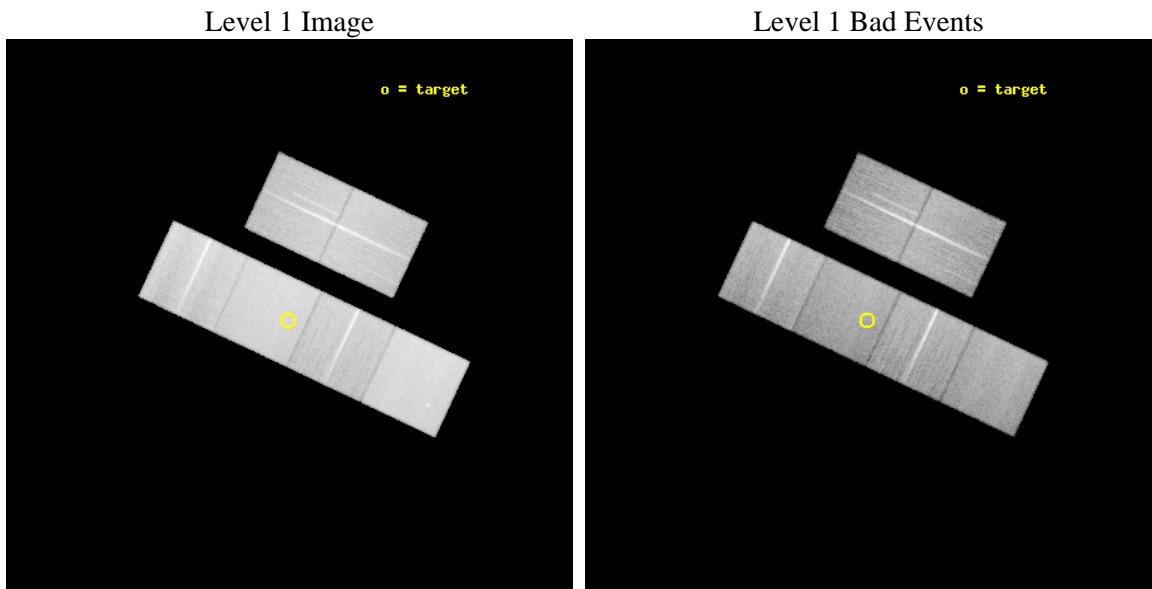
seq_num	701396	Sequence number
obs_id	8558	Observation id
title	NGC 5905: the late phase of the tidal disruption of a star by a SMBH	
observer	Dr. Peter Predehl	Principal investigator
object	NGC5905	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	228.847083	Observer's specified target RA [deg]
dec_targ	55.517167	Observer's specified target Dec [deg]
ra_nom	228.8424086322	Nominal RA [deg]
dec_nom	55.513094033297	Nominal Dec [deg]
roll_nom	205.16048934059	Nominal Roll [deg]
revision	2	Processing version of data
ontime	26950.399899662	Sum of GTIs [s]
livetime	26609.137708549	Livetime [s]
ontime2	26950.399899662	Sum of GTIs [s]
ontime3	26950.399899662	Sum of GTIs [s]
ontime5	26950.399899662	Sum of GTIs [s]
ontime6	26950.399899662	Sum of GTIs [s]
ontime7	26950.399899662	Sum of GTIs [s]
ontime8	26950.399899662	Sum of GTIs [s]
l2events	419873	Number of level 2 events



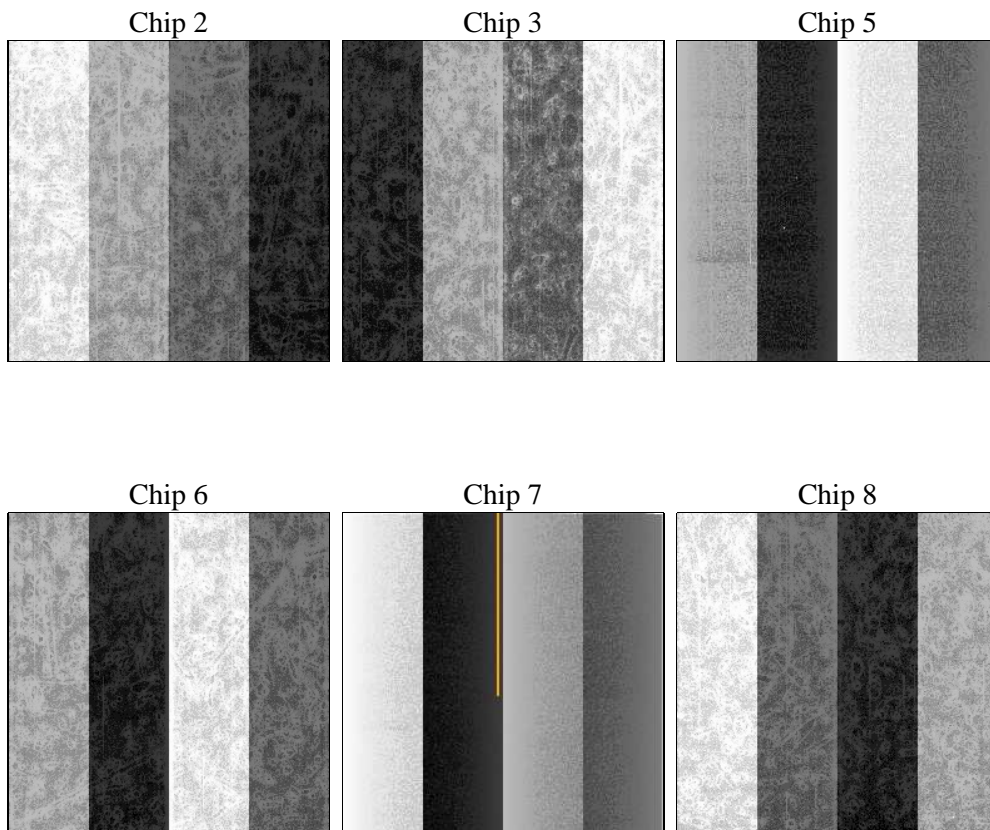
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	26950.399899662	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	26950.399899662	Sum of GTIs [s]
date	2012-04-25T22:06:12	Date and time of file creation	ontime3	26950.399899662	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	26950.399899662	Sum of GTIs [s]
			ontime6	26950.399899662	Sum of GTIs [s]
			ontime7	26950.399899662	Sum of GTIs [s]
			ontime8	26950.399899662	Sum of GTIs [s]
			l1events	1859302	Number of level 1 events

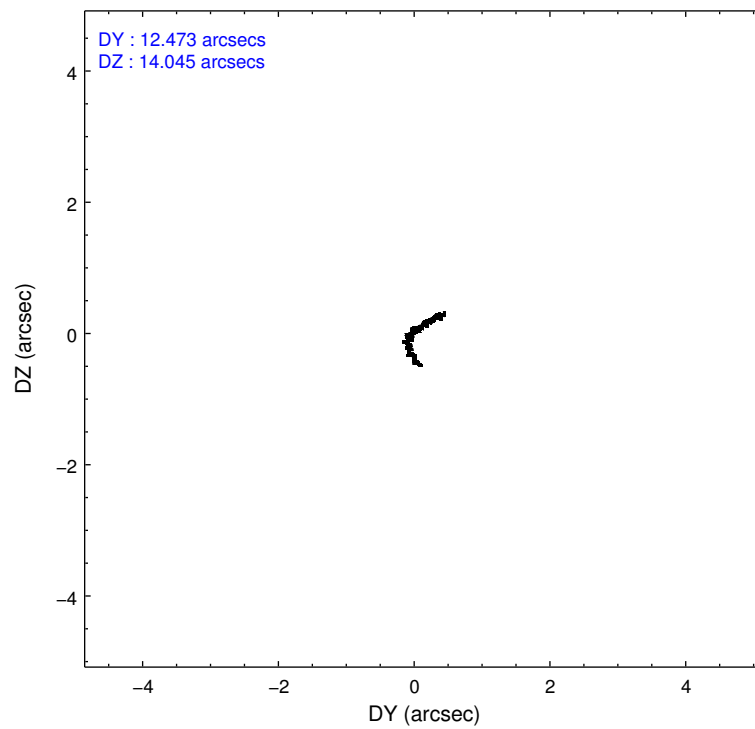
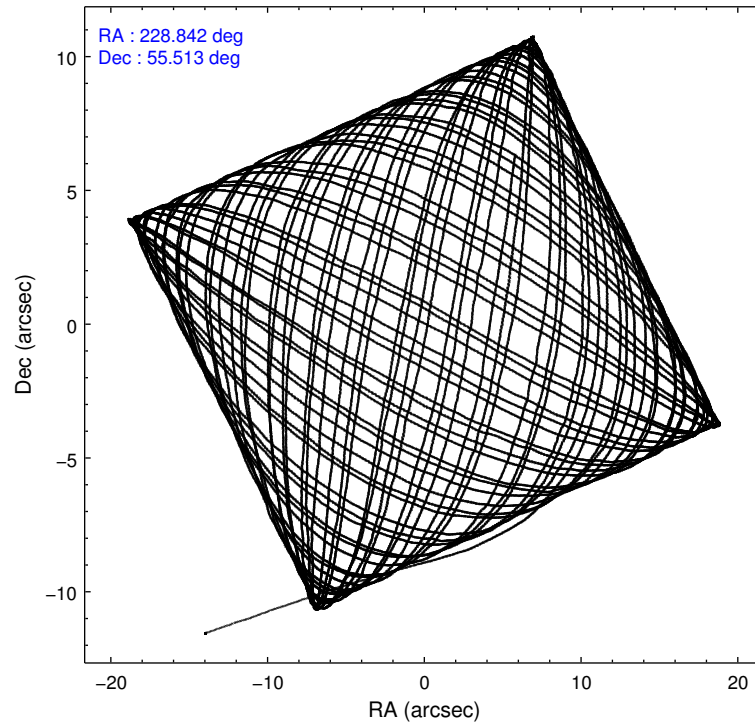
2.1.4 Events

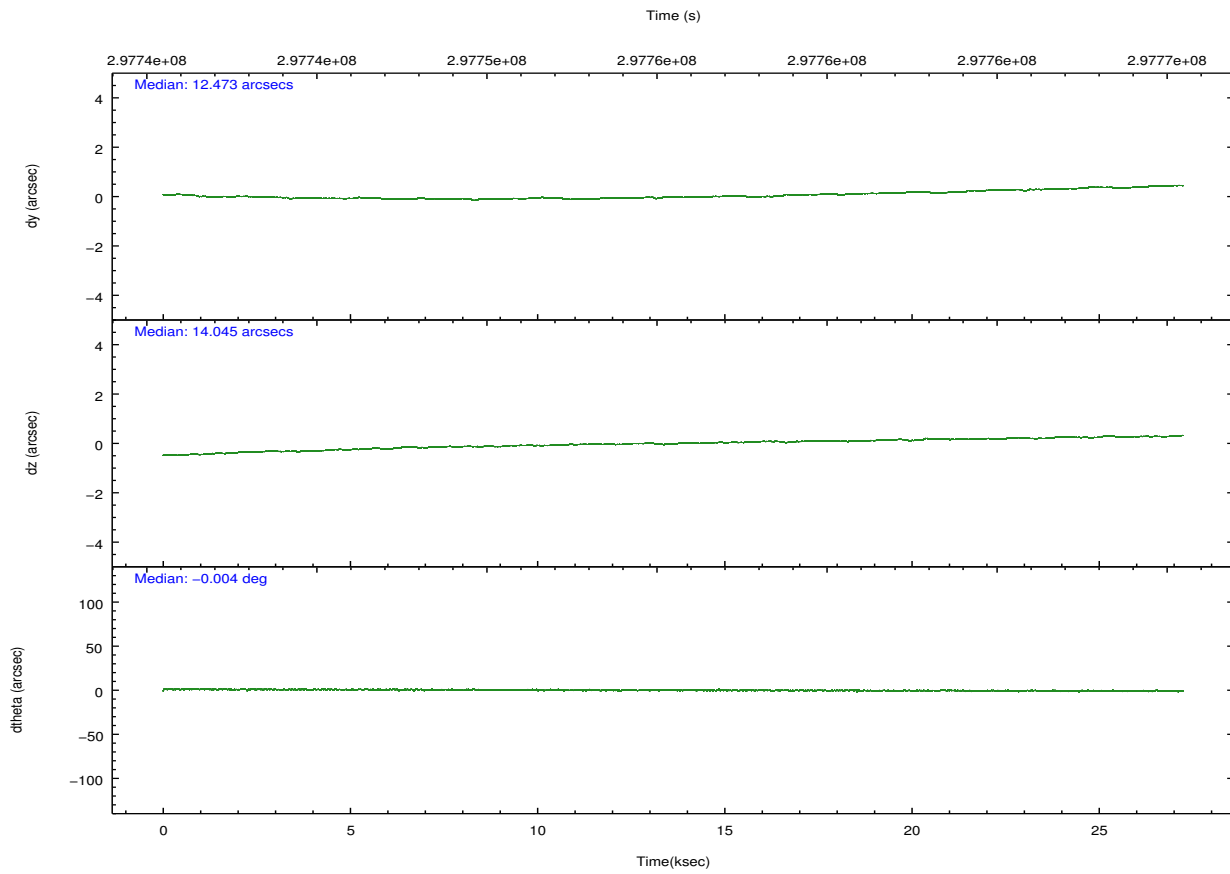
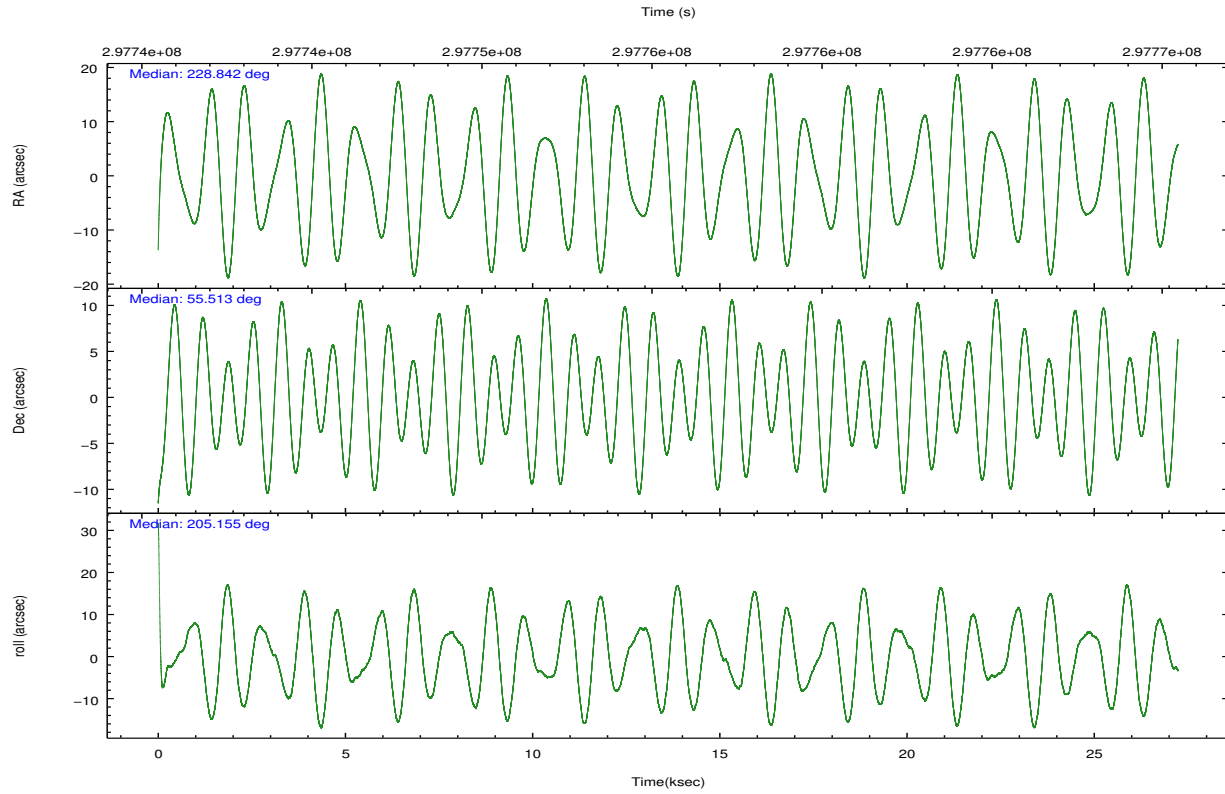
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	276084	257443	382450	262303	352097	328925	grade 0 events	13099	13205	9457	11453	12446	22673
rejected events	245929	227300	211479	231615	206619	256530		4%	5%	2%	4%	3%	6%
rejected %	89%	88%	55%	88%	58%	77%	grade 1 events	200	158	535	115	323	234
								0%	0%	0%	0%	0%	0%
							grade 2 events	6520	5922	53724	7124	29383	16241
								2%	2%	14%	2%	8%	4%
							grade 3 events	2728	2914	5791	2939	12101	7621
								0%	1%	1%	1%	3%	2%
							grade 4 events	2813	2842	5490	2846	12007	7049
								1%	1%	1%	1%	3%	2%
							grade 5 events	10091	11354	25496	11650	32402	15734
								3%	4%	6%	4%	9%	4%
							grade 6 events	5000	5264	96535	6330	79550	18823
								1%	2%	25%	2%	22%	5%
							grade 7 events	235633	215784	185422	219846	173885	240550
								85%	83%	48%	83%	49%	73%

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	228.869457	228.8424086322021	CCD I2 on	O1	Y
[deg] Pointing Dec	55.535766	55.51309403329725	CCD I3 on	O2	Y
[deg] Pointing Roll	204.981558	205.1604893405872	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	297742092.184000	297741104.4842	CCD S5 on	N	N
Observation start date	2007-06-09T02:07:07	2007-06-09T01:51:44	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	297769092.184000	297770315.4481	On-chip summing requested	N	N
Observation end date	2007-06-09T09:37:07	2007-06-09T09:58:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



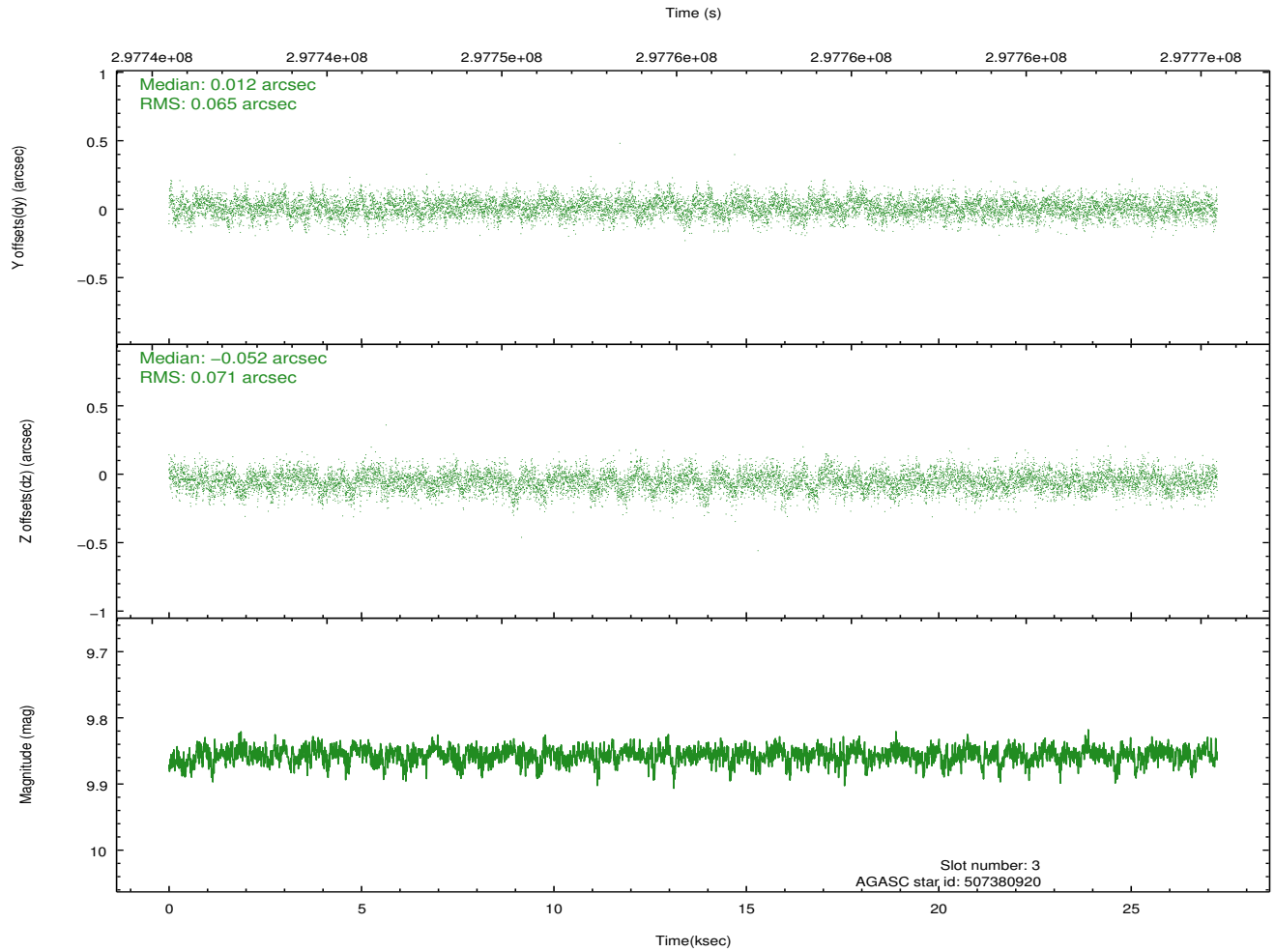
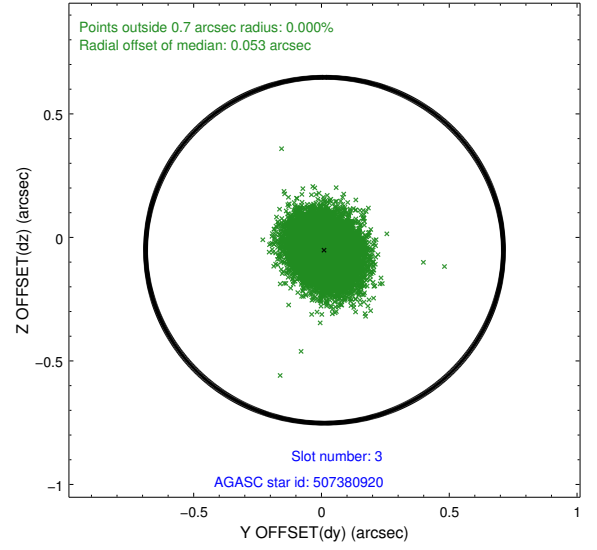
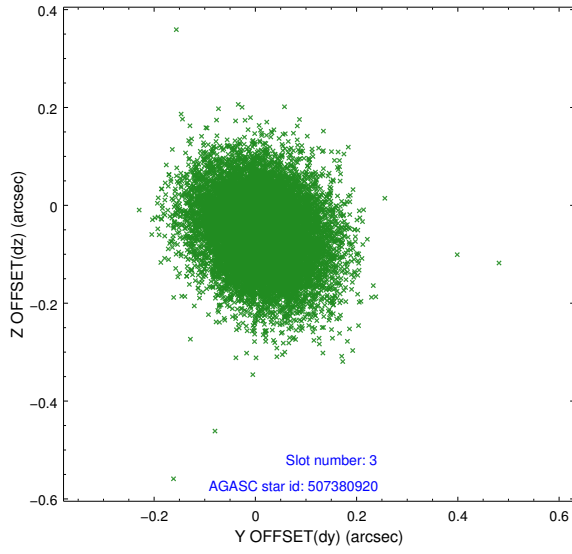


Slot Statistics

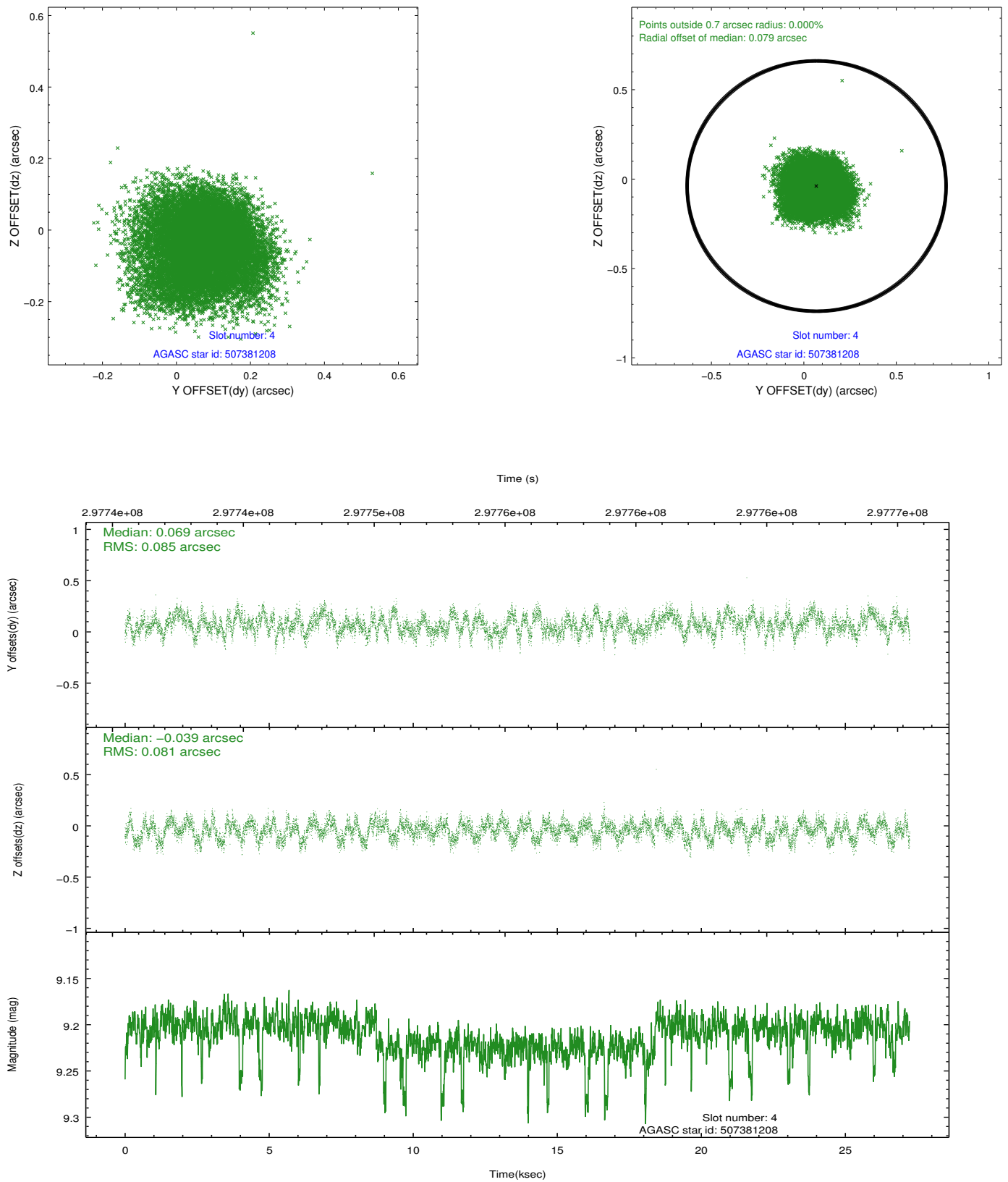
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	6644	-0.038	-0.050	0.009	0.014	0.000000	0.000000	-765.47	-1735.43
1	FID	ACIS-S-4	7.19	6643	0.150	0.032	0.011	0.023	0.000000	0.000000	2147.94	173.05
2	FID	ACIS-S-5	7.23	6644	-0.145	0.026	0.009	0.016	0.000000	0.000000	-1818.31	166.80
3	GUIDE	507380920	9.86	13272	0.012	-0.052	0.102	0.168	229.618284	55.312043	-1053.76	1371.37
4	GUIDE	507381208	9.21	13222	0.069	-0.039	0.128	0.198	228.099016	55.627478	1277.72	-969.76
5	GUIDE	507382224	8.46	13281	0.009	0.062	0.071	0.114	227.706518	55.422449	2318.15	-651.42
6	GUIDE	507382888	8.31	13282	-0.150	0.018	0.080	0.127	227.987228	56.025159	860.60	-2356.46
7	GUIDE	507383608	8.41	13283	0.059	0.016	0.081	0.139	228.419739	56.118692	-68.74	-2285.78

2.4 Star Slots

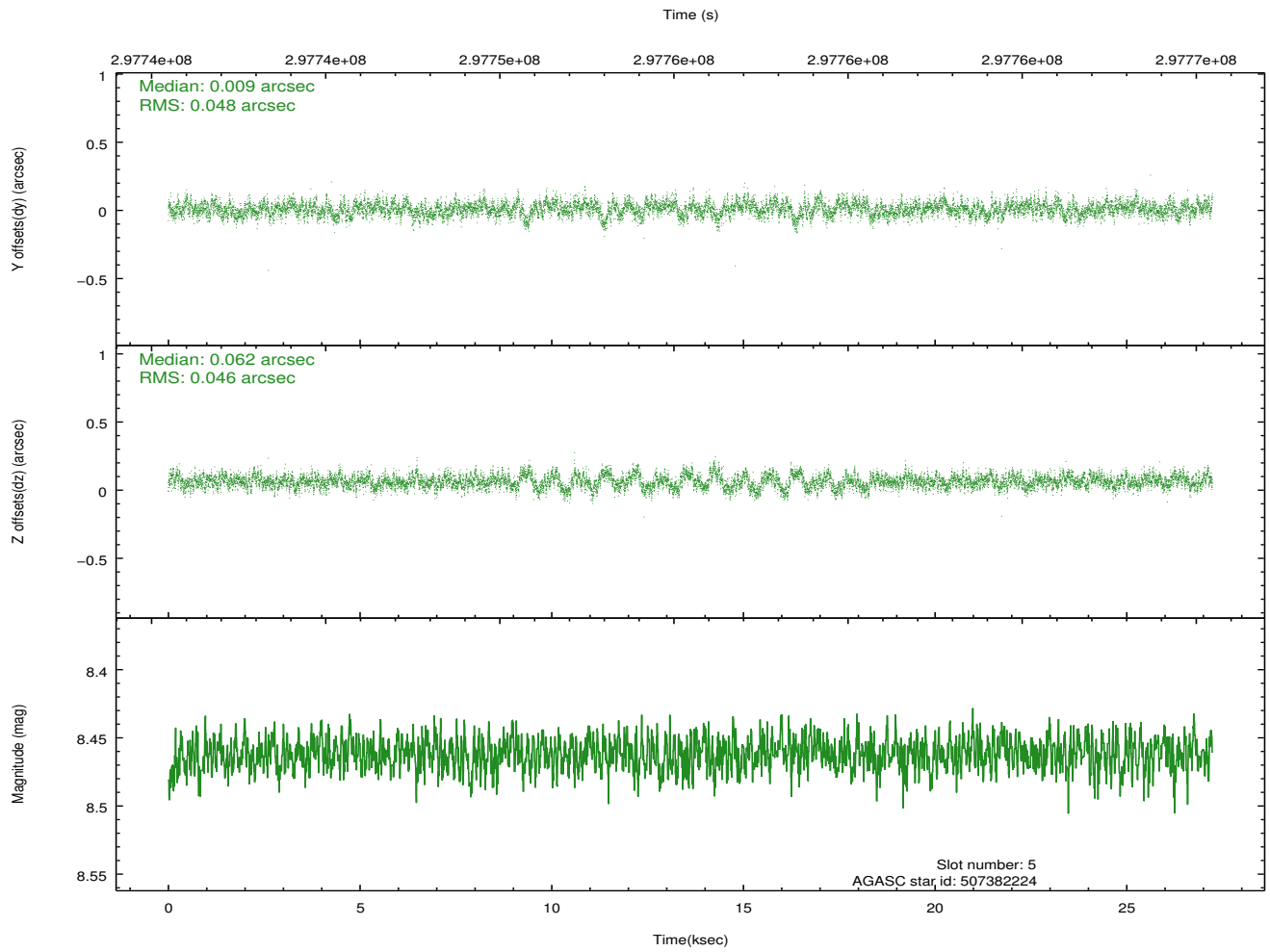
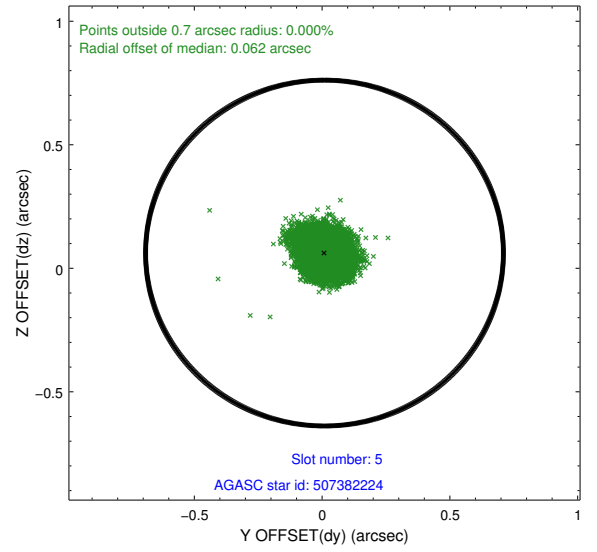
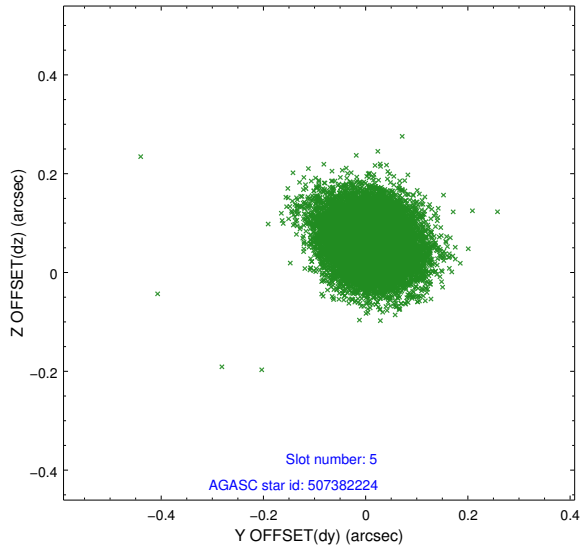
2.4.1 Slot 3



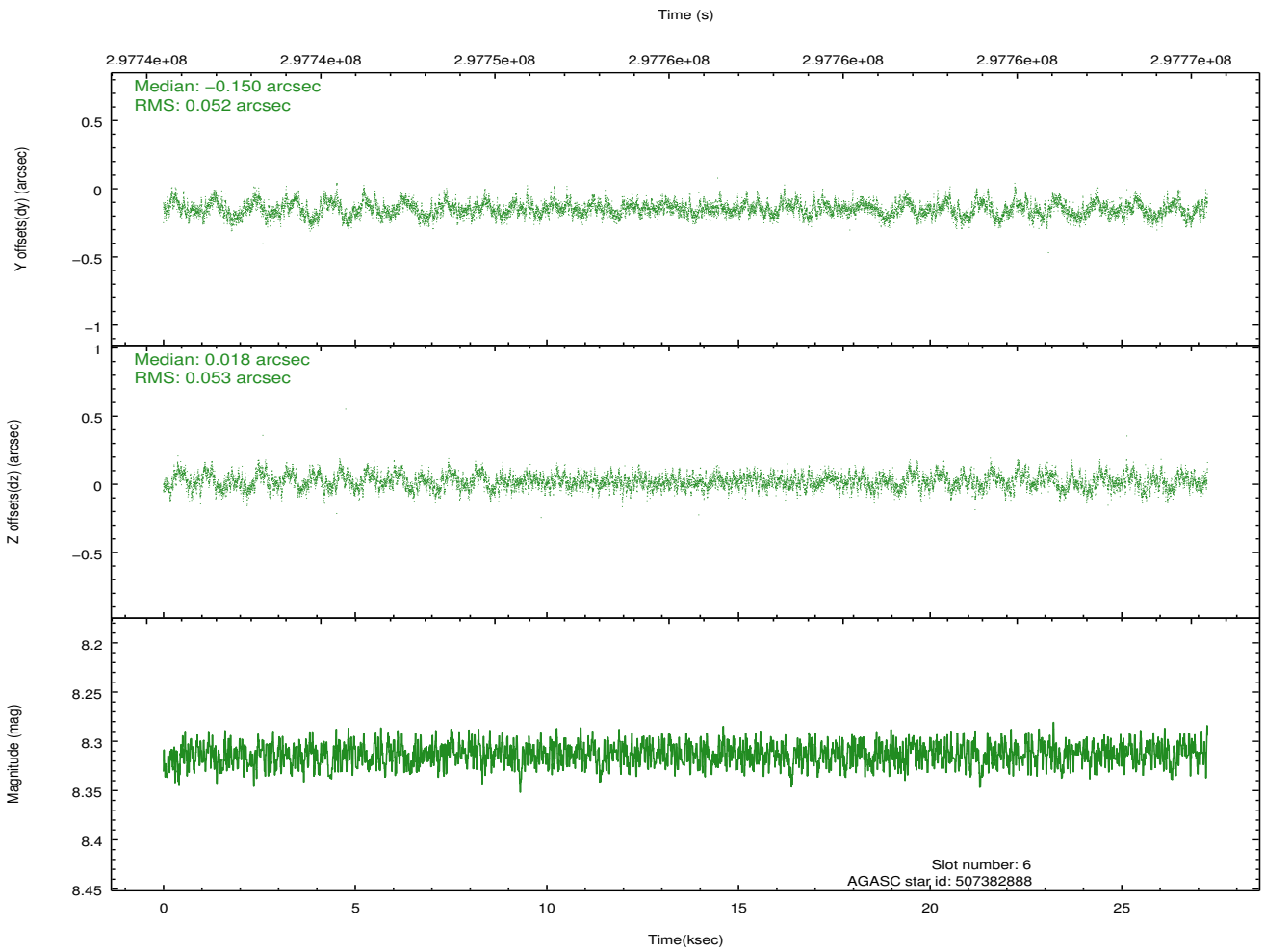
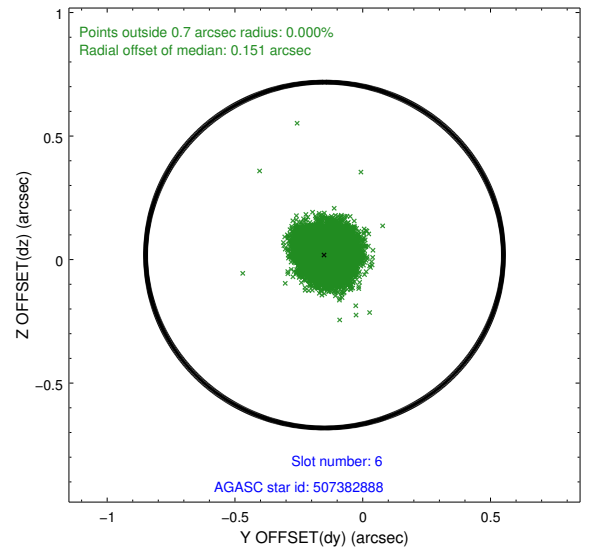
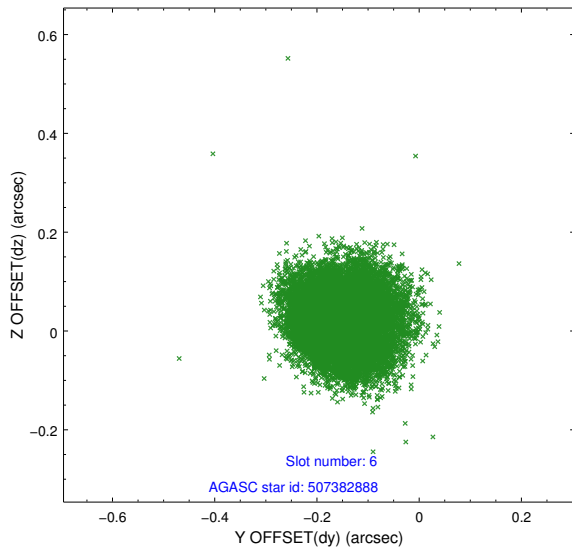
2.4.2 Slot 4



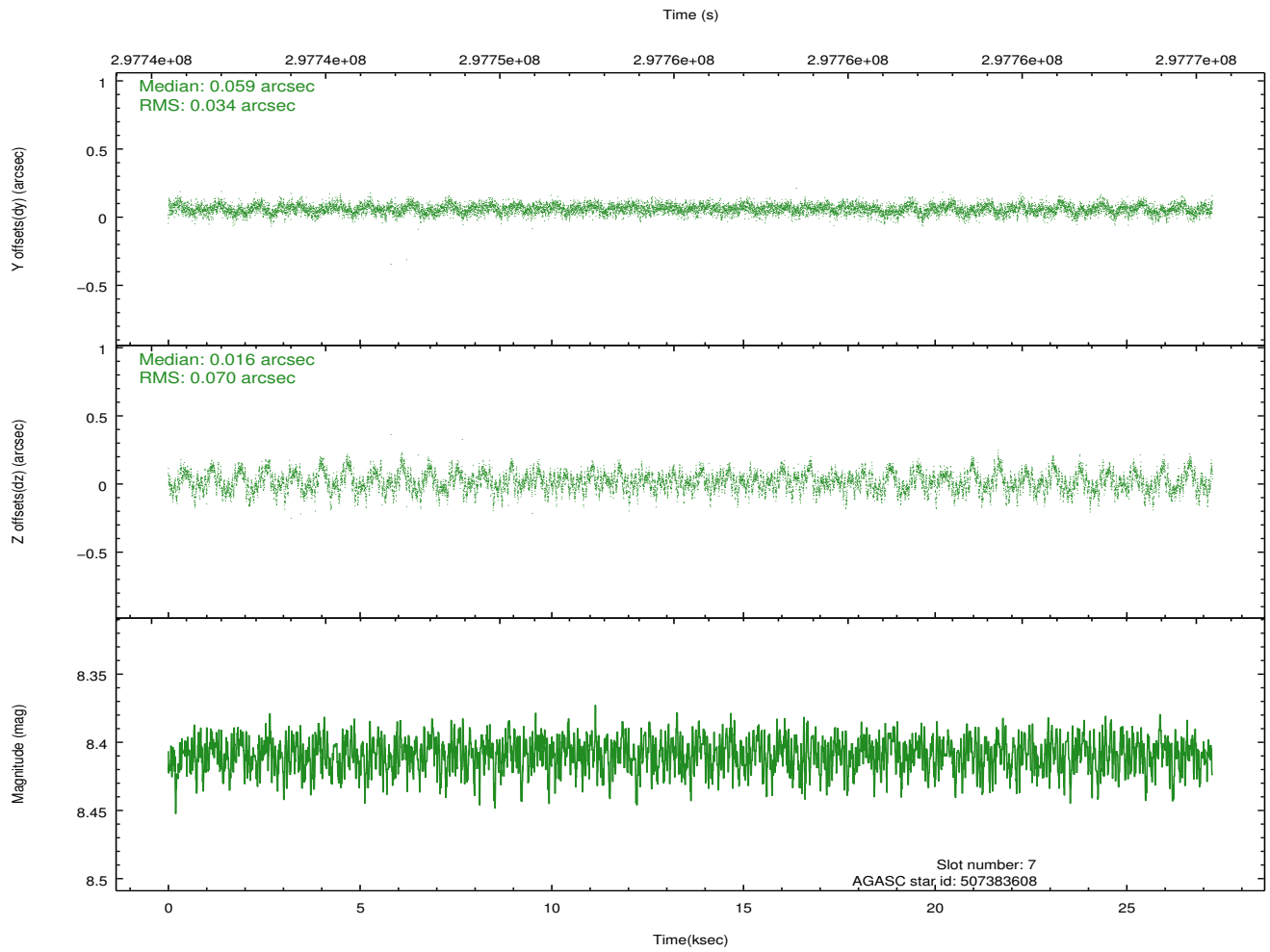
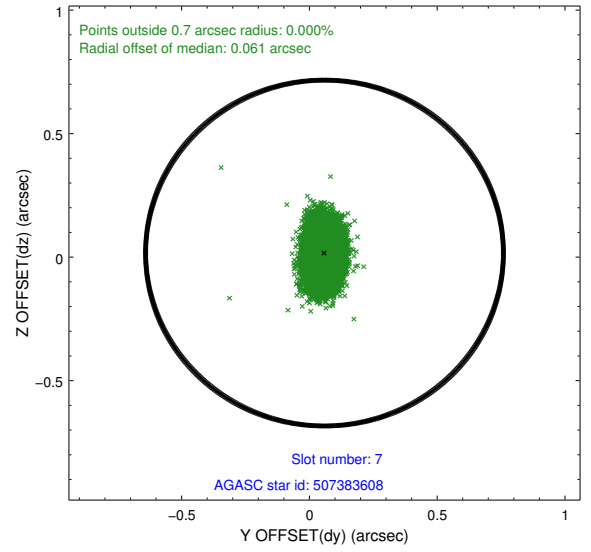
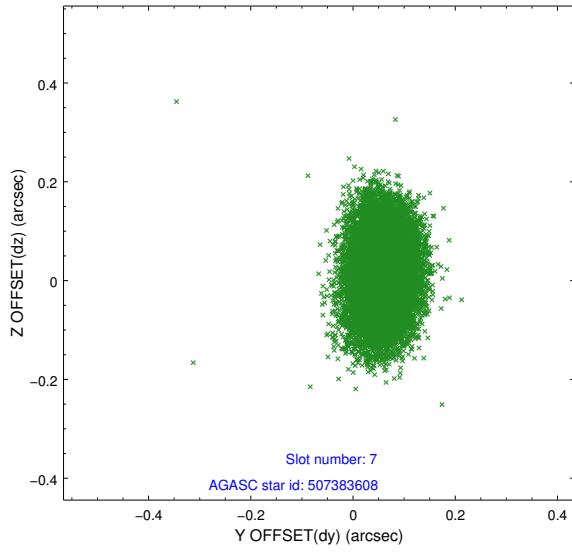
2.4.3 Slot 5



2.4.4 Slot 6

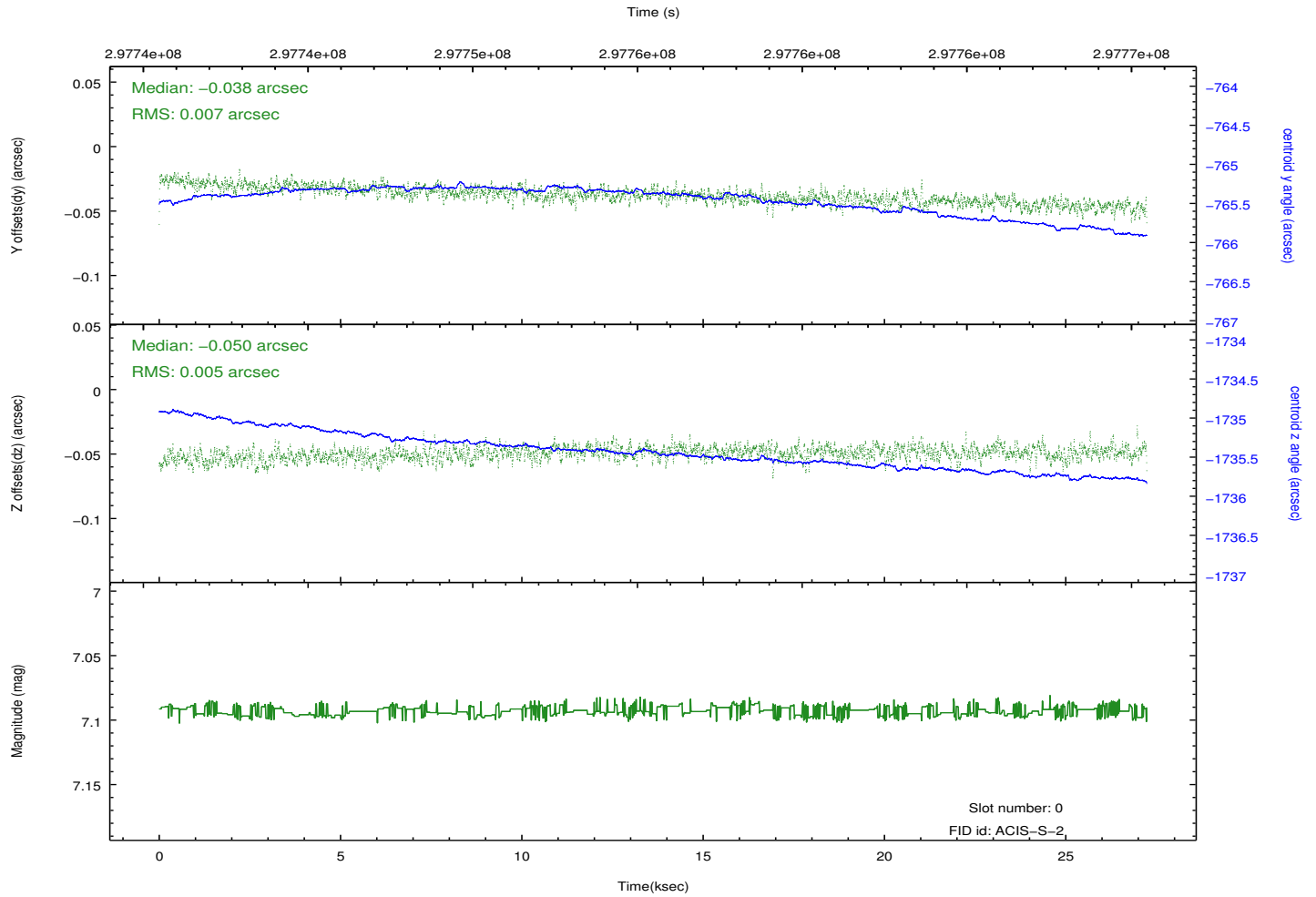
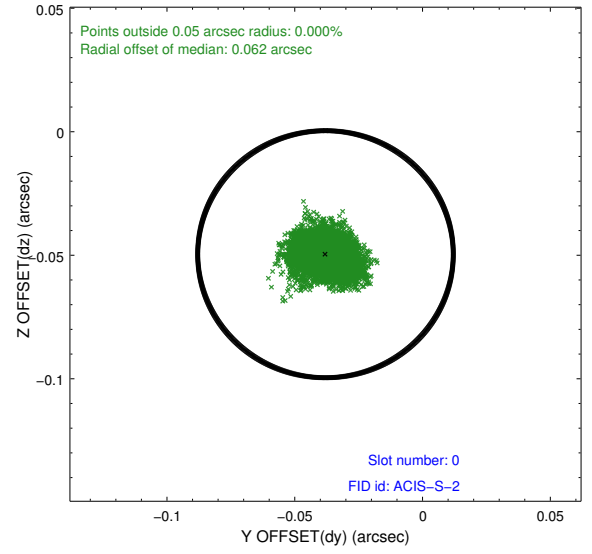
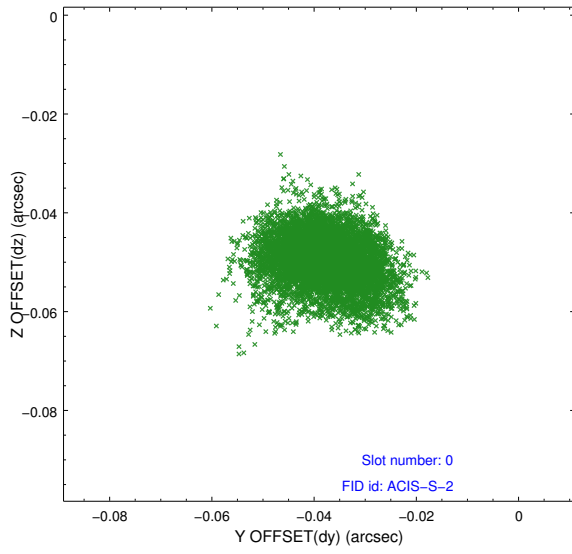


2.4.5 Slot 7

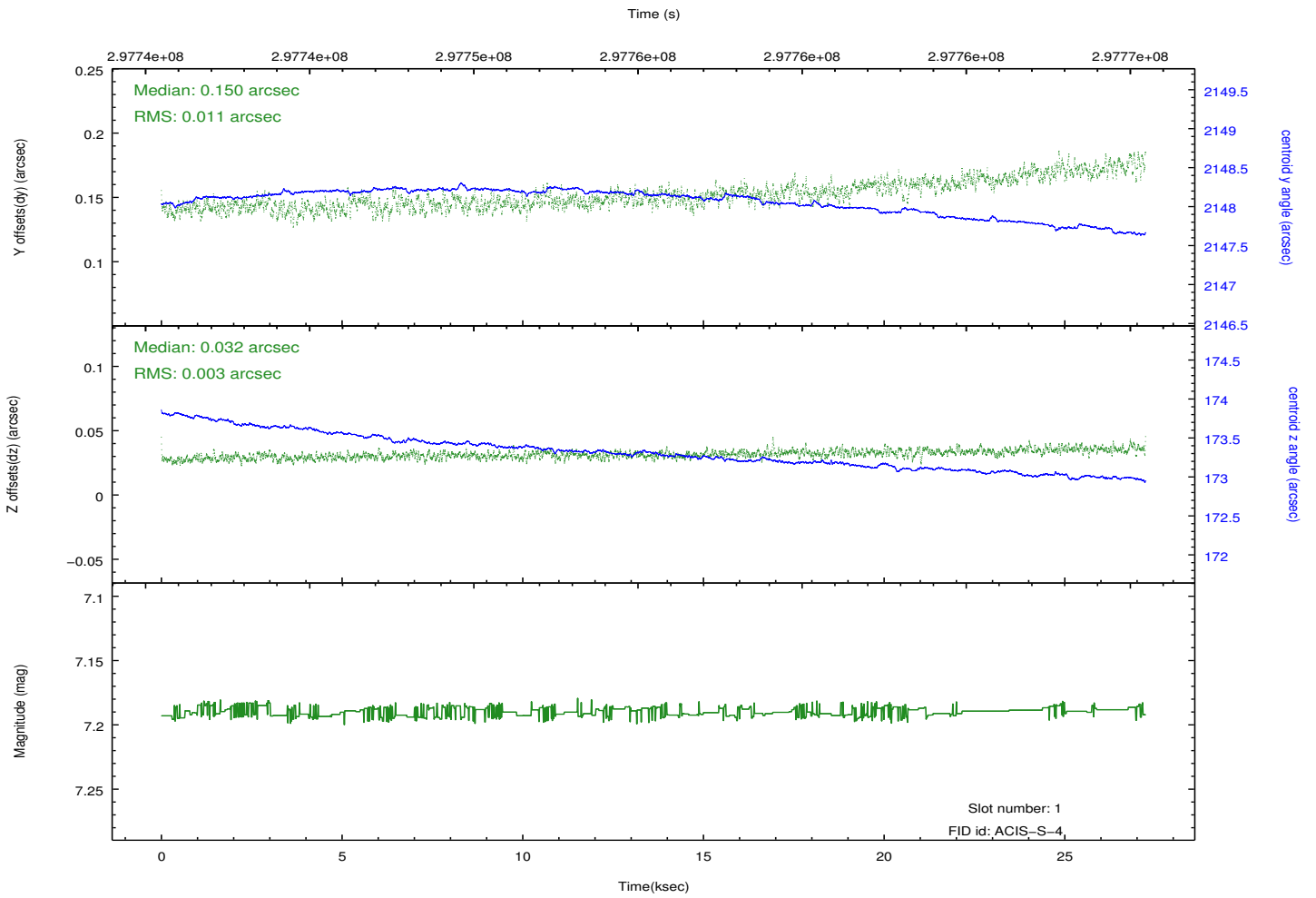
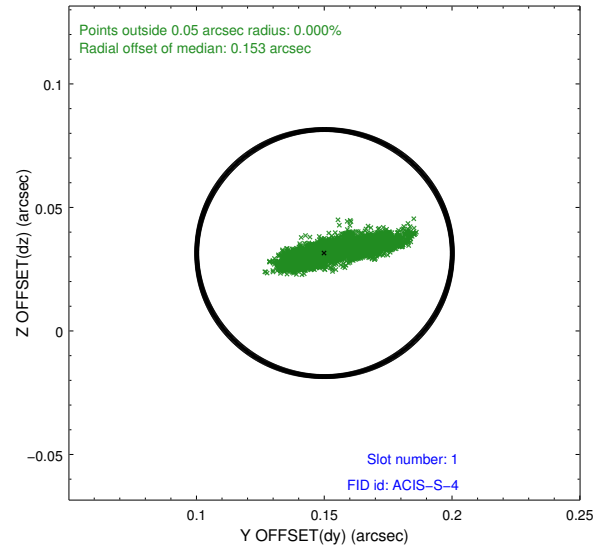
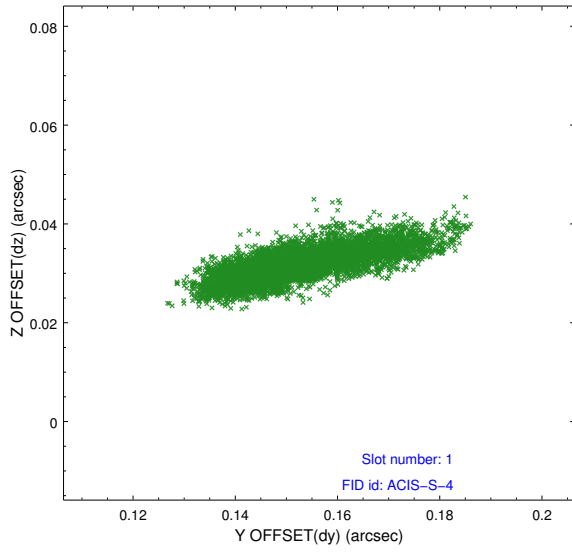


2.5 FID Slots

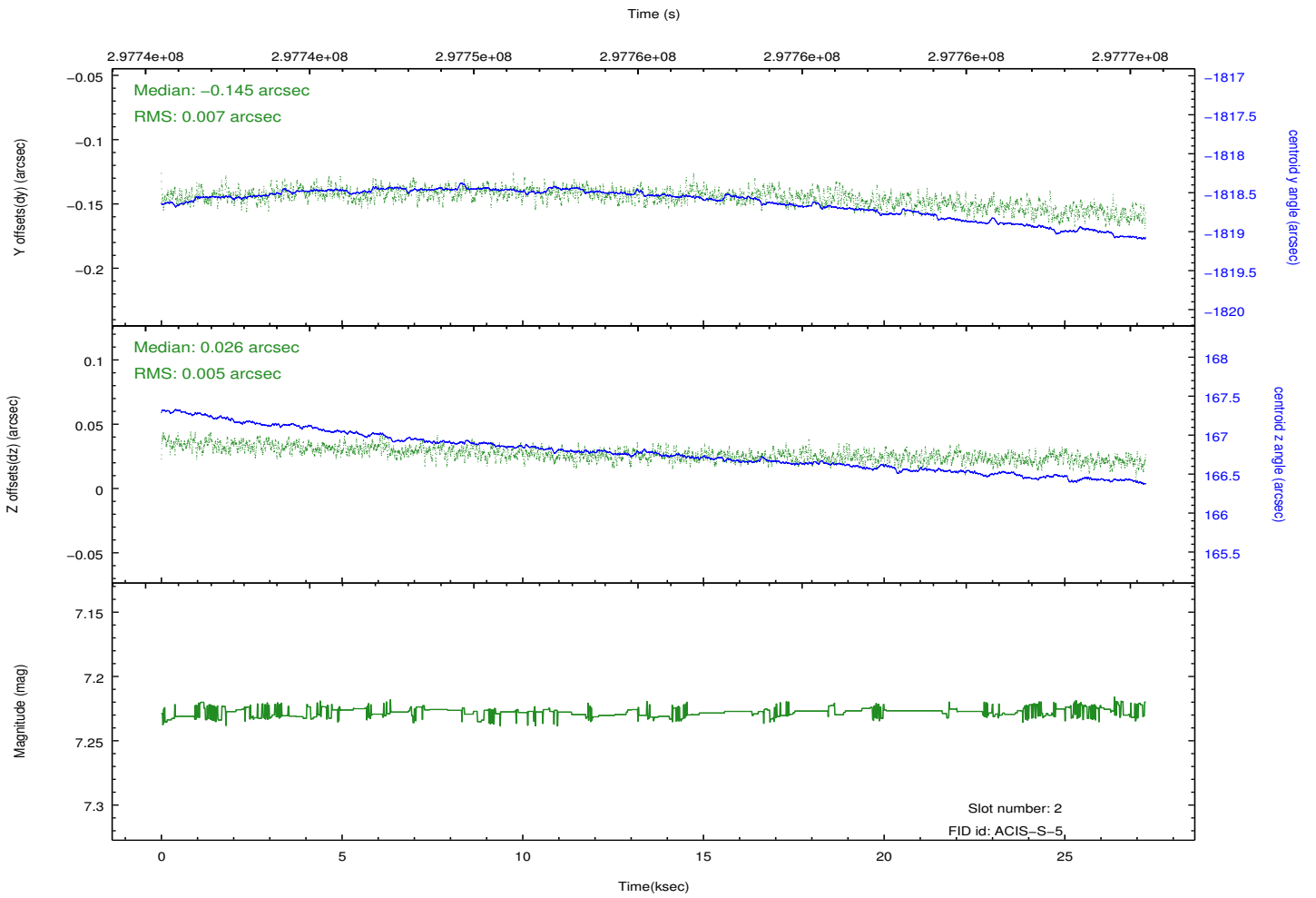
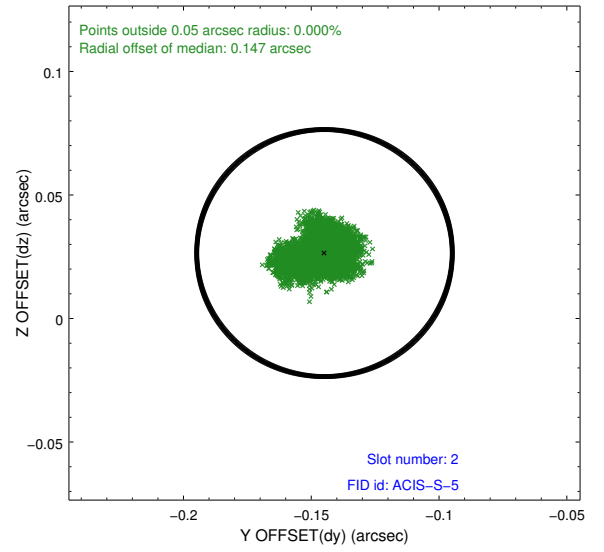
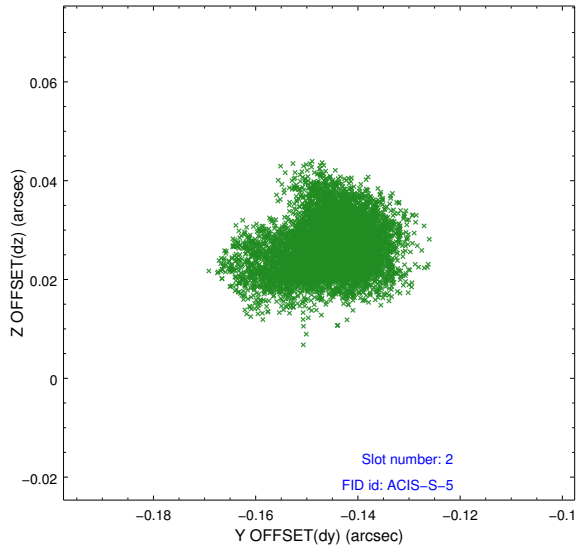
2.5.1 Slot 0



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)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.9503998

A.2 Comments