

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8144 - L2 Version 2
Chandra X-Ray Center

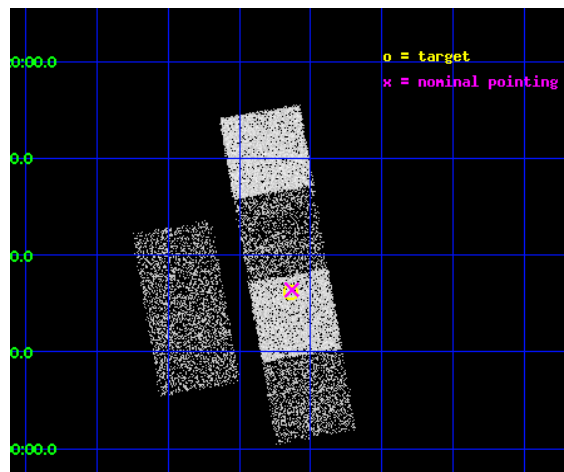
L2 Processing Date : May 9 2012

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

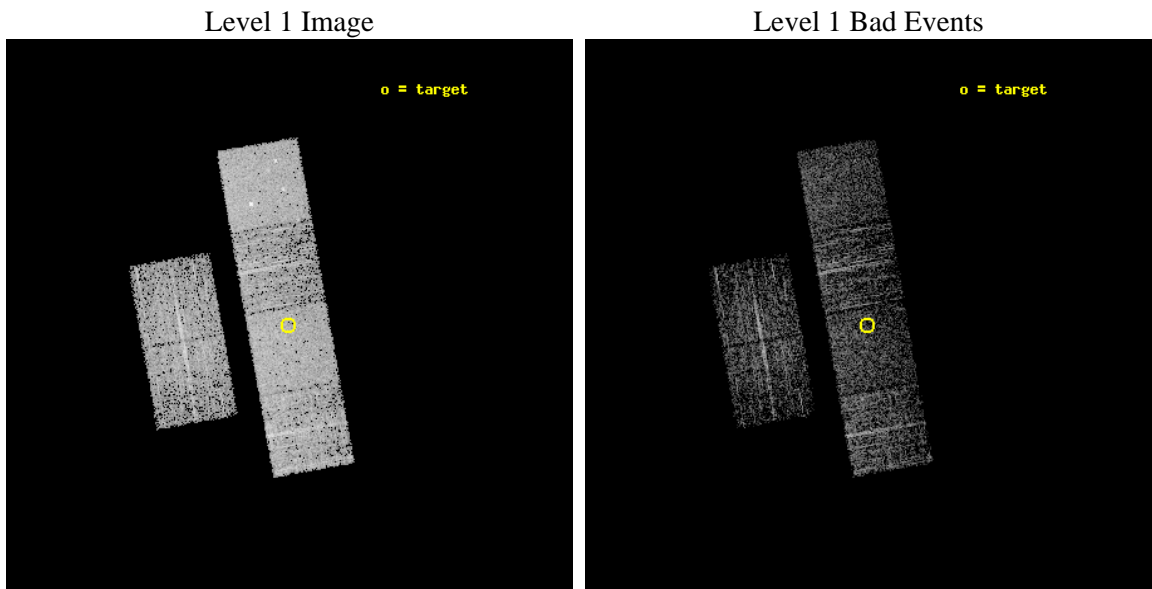
seq_num	900685	Sequence number
obs_id	8144	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	
observer	Dr. Stephen Murray	Principal investigator
object	AX J184008-0543	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	280.035	Observer's specified target RA [deg]
dec_targ	-5.731	Observer's specified target Dec [deg]
ra_nom	280.03299090327	Nominal RA [deg]
dec_nom	-5.7266902922844	Nominal Dec [deg]
roll_nom	79.951150441879	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1651.1999939084	Sum of GTIs [s]
livetime	1630.2915053523	Livetime [s]
ontime2	1651.1999939084	Sum of GTIs [s]
ontime3	1651.1999939084	Sum of GTIs [s]
ontime5	1651.1999939084	Sum of GTIs [s]
ontime6	1651.1999939084	Sum of GTIs [s]
ontime7	1651.1999939084	Sum of GTIs [s]
ontime8	1651.1999939084	Sum of GTIs [s]
l2events	28008	Number of level 2 events



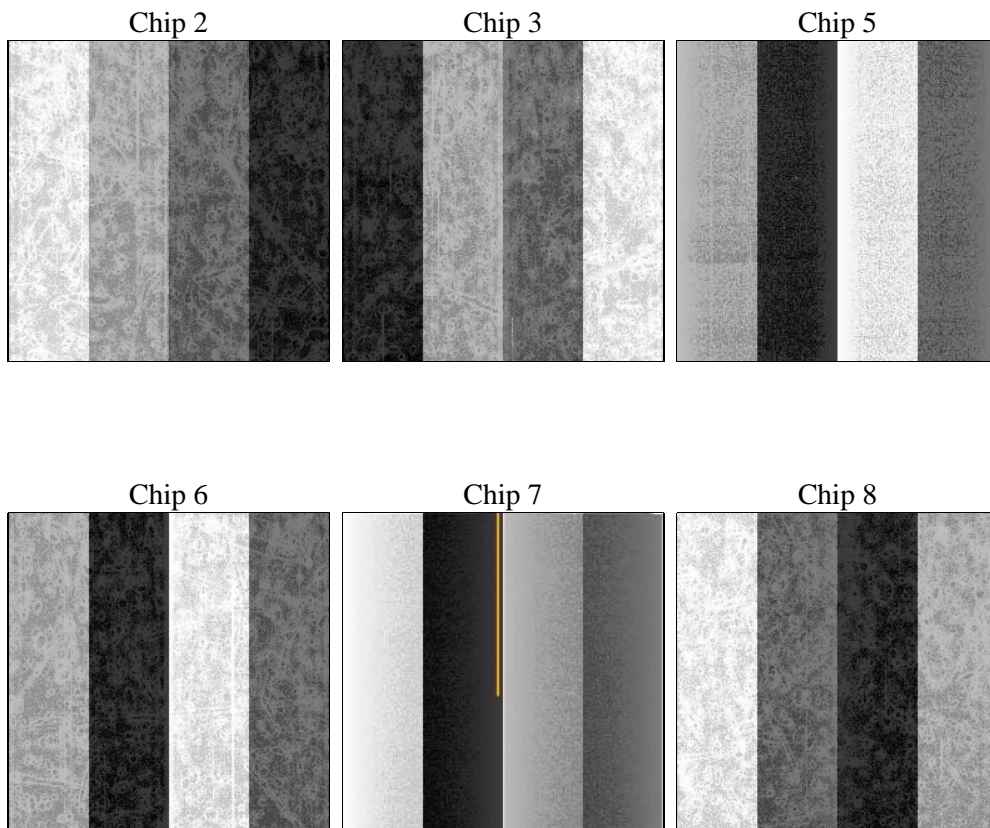
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1651.1999939084	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1651.1999939084	Sum of GTIs [s]
date	2012-05-09T19:09:44	Date and time of file creation	ontime3	1651.1999939084	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1651.1999939084	Sum of GTIs [s]
			ontime6	1651.1999939084	Sum of GTIs [s]
			ontime7	1651.1999939084	Sum of GTIs [s]
			ontime8	1651.1999939084	Sum of GTIs [s]
			l1events	114350	Number of level 1 events

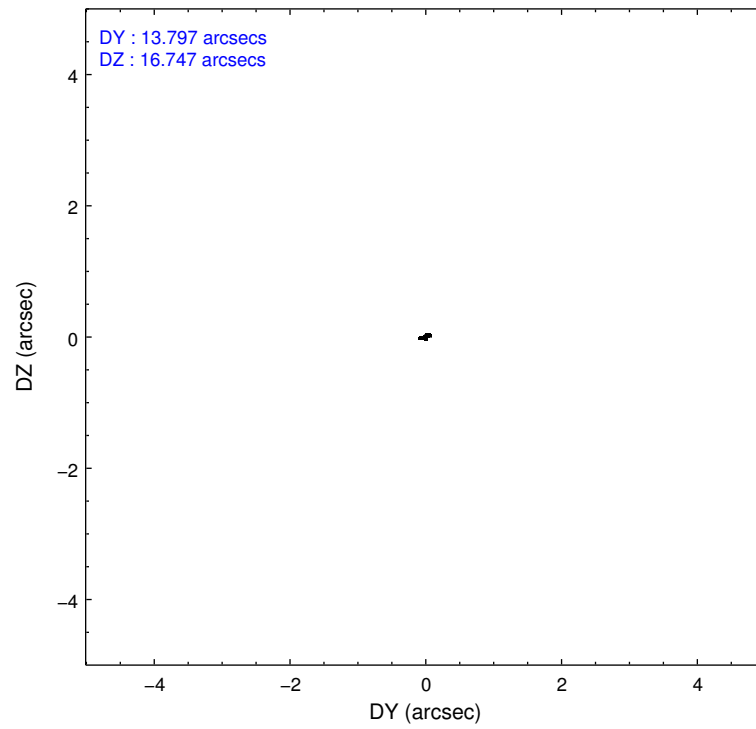
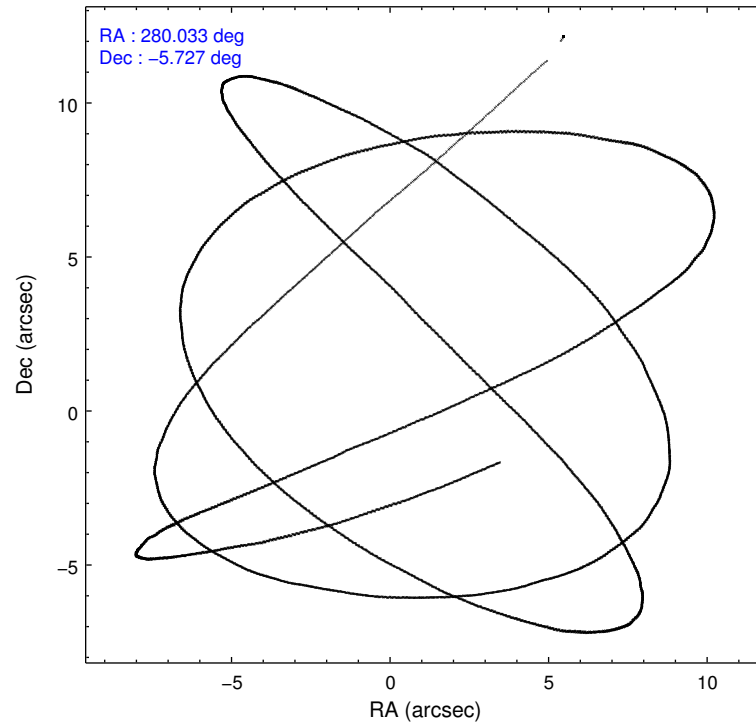
2.1.4 Events

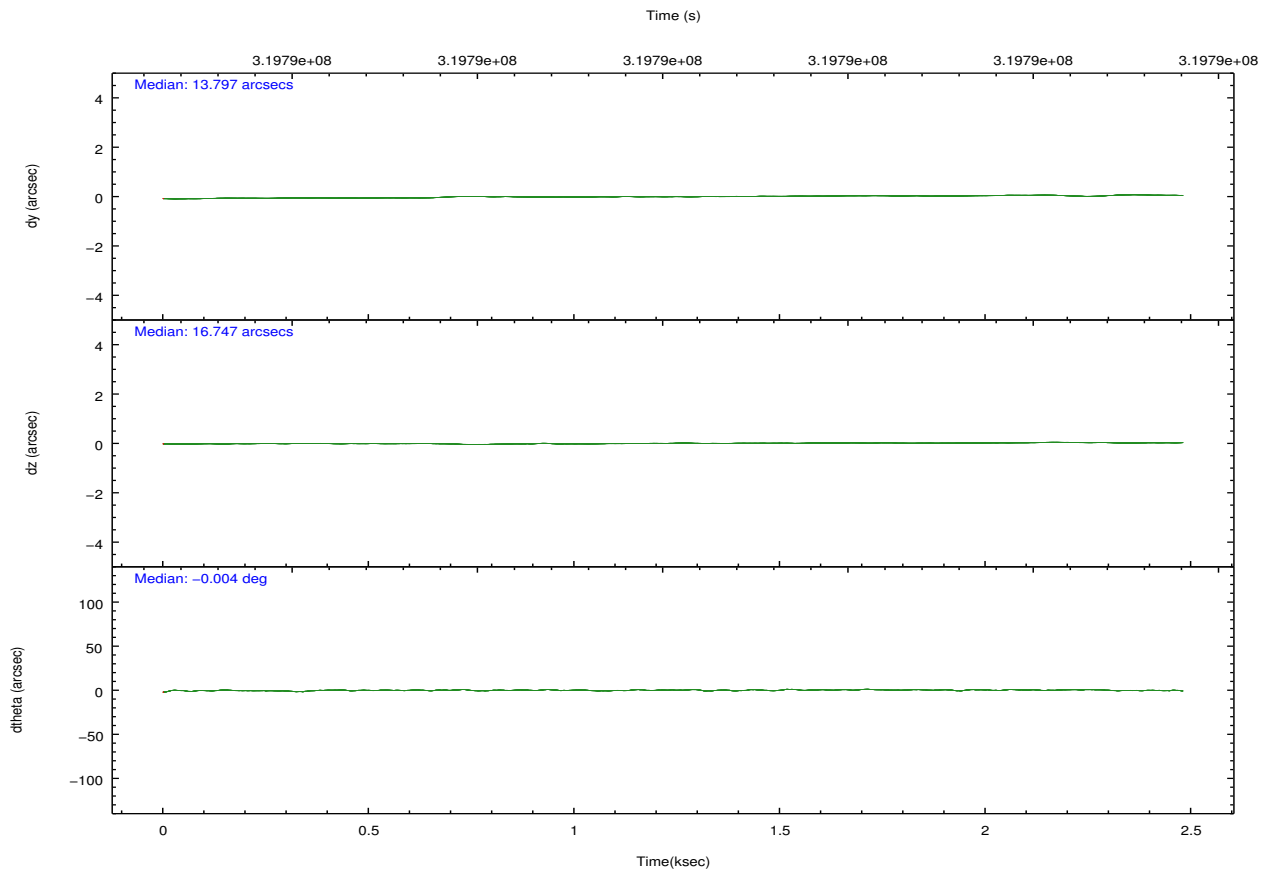
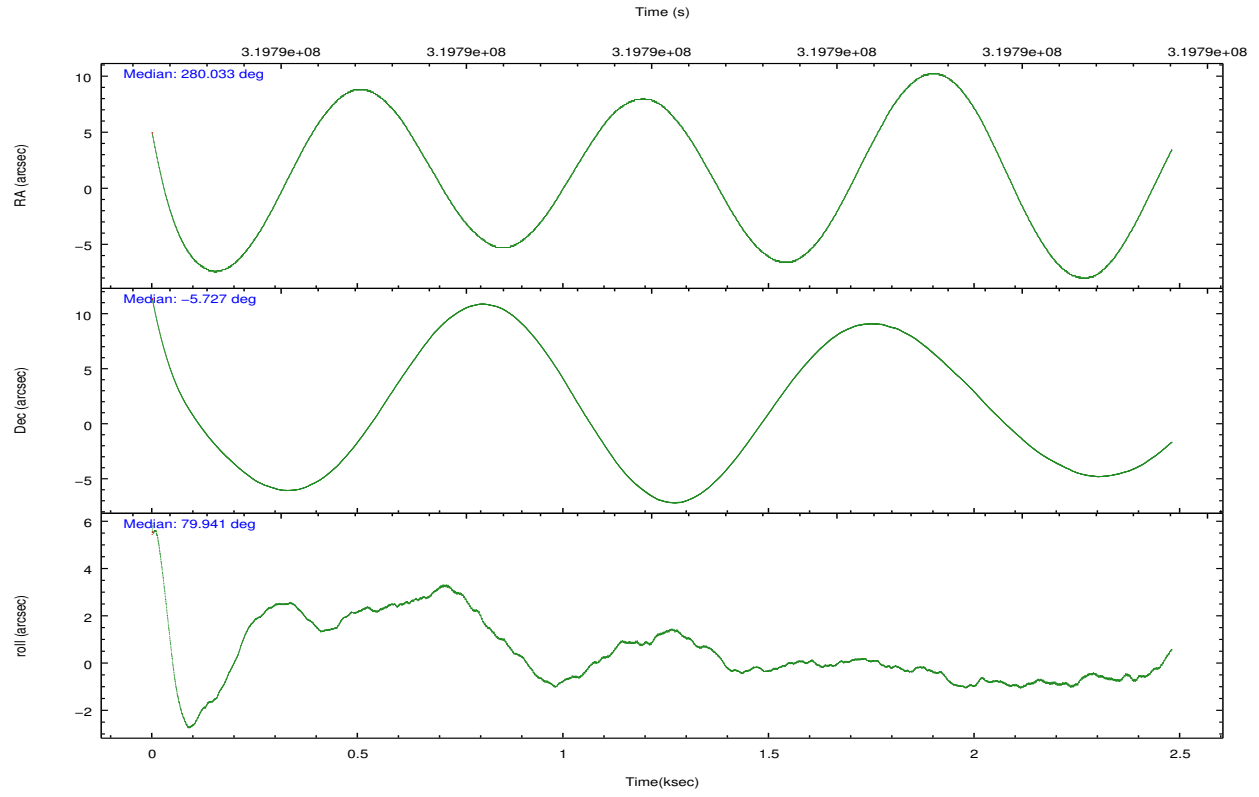
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	15540	14881	24892	15916	22262	20859	grade 0 events	1033	1051	1516	949	888	1595
rejected events	13412	12693	13015	13734	12668	16056		6%	7%	6%	5%	3%	7%
rejected %	86%	85%	52%	86%	56%	76%	grade 1 events	12	12	59	13	33	15
								0%	0%	0%	0%	0%	0%
							grade 2 events	430	416	3477	438	2020	1121
								2%	2%	13%	2%	9%	5%
							grade 3 events	178	177	427	204	810	441
								1%	1%	1%	1%	3%	2%
							grade 4 events	176	198	411	224	771	424
								1%	1%	1%	1%	3%	2%
							grade 5 events	661	775	1738	735	2059	1014
								4%	5%	6%	4%	9%	4%
							grade 6 events	318	350	6065	378	5121	1229
								2%	2%	24%	2%	23%	5%
							grade 7 events	12732	11902	11199	12975	10560	15020
								81%	79%	44%	81%	47%	72%

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	280.042932	280.0329909032718	CCD I2 on	O2	Y
[deg] Pointing Dec	-5.752062	-5.726690292284415	CCD I3 on	O3	Y
[deg] Pointing Roll	79.795491	79.9511504418787	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	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)	319790062.184000	319788659.77174	CCD S5 on	N	N
Observation start date	2008-02-19T06:33:17	2008-02-19T06:10:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	319791762.184000	319791987.9469	On-chip summing requested	N	N
Observation end date	2008-02-19T07:01:37	2008-02-19T07:06:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



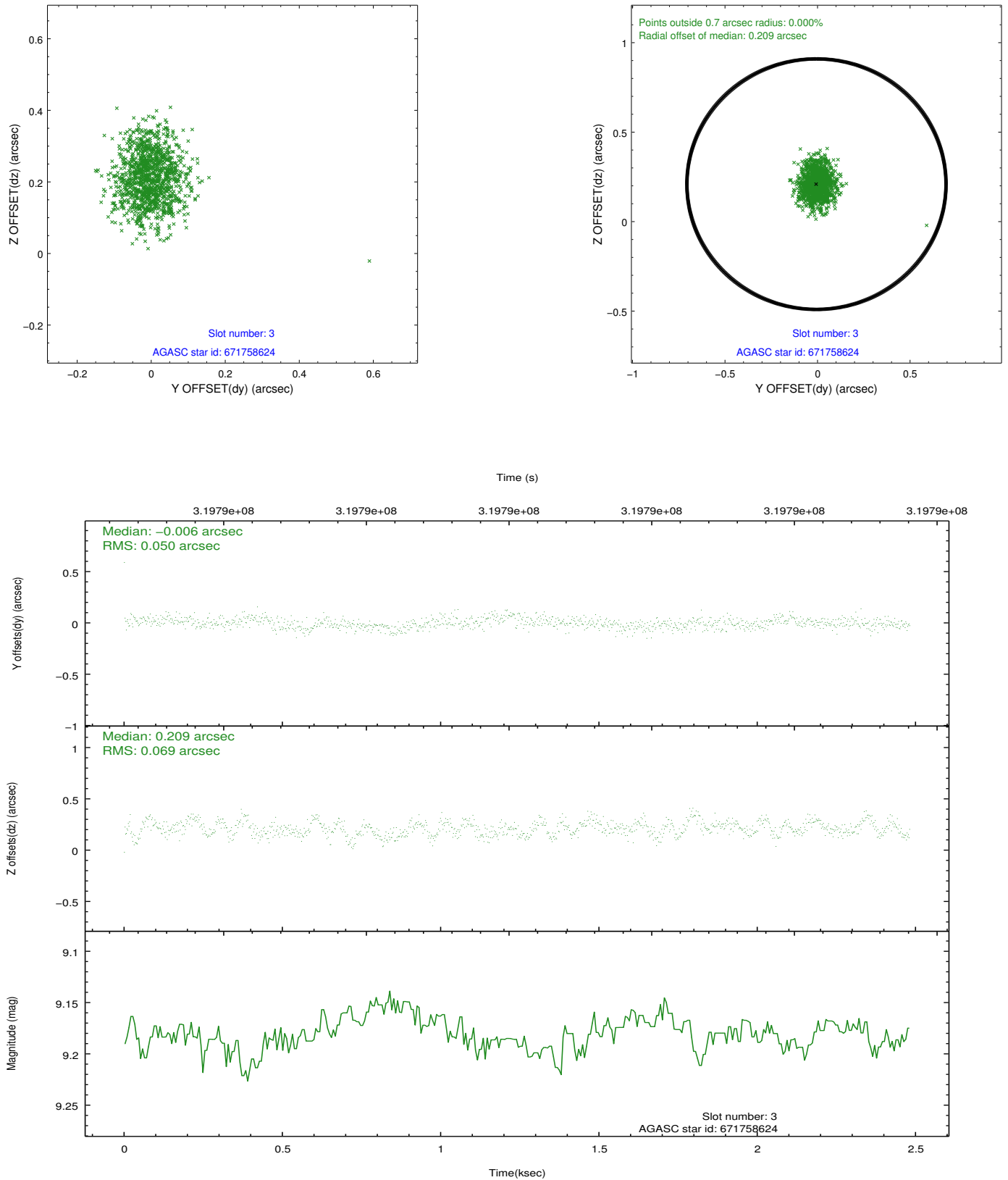


Slot Statistics

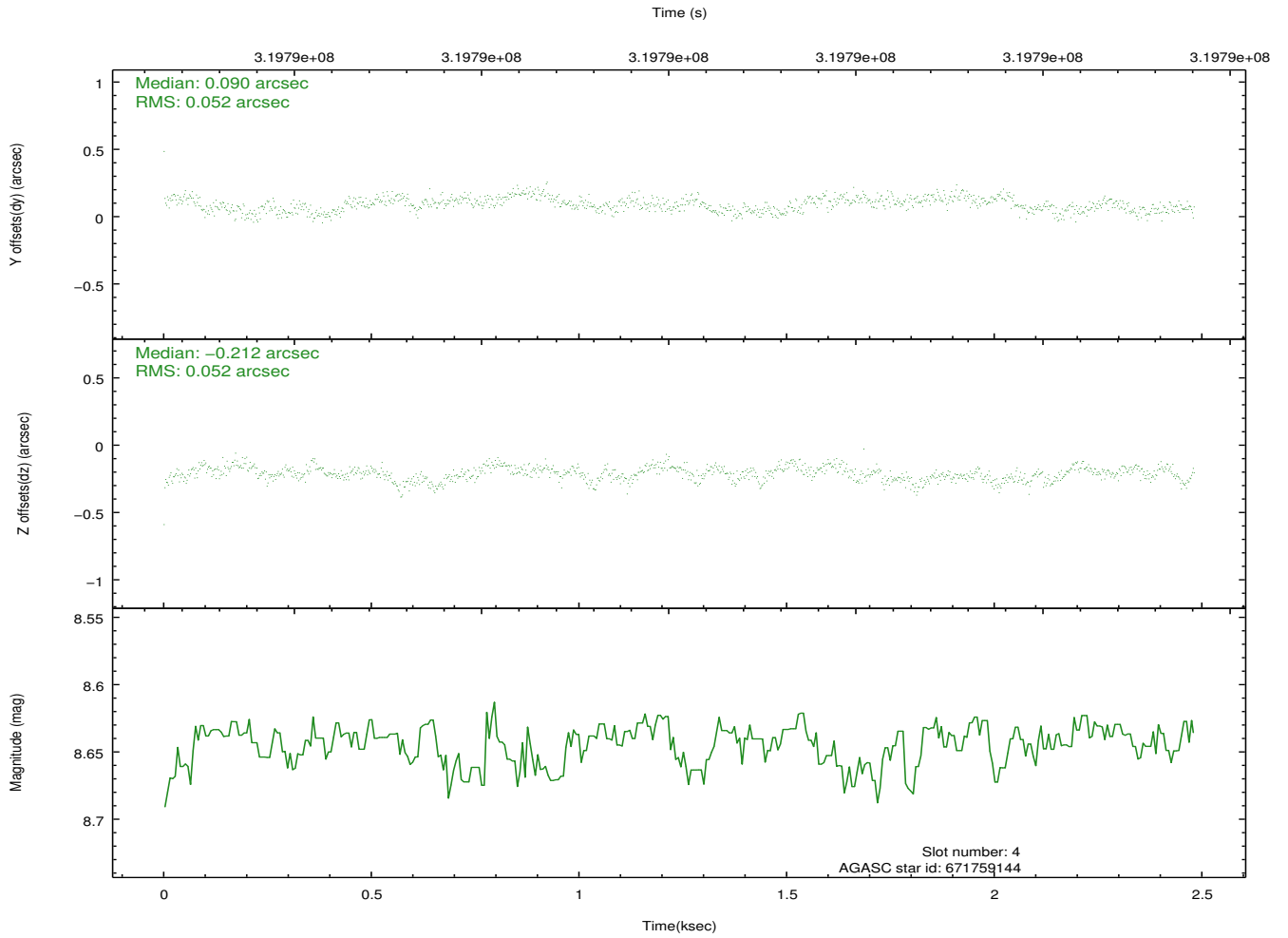
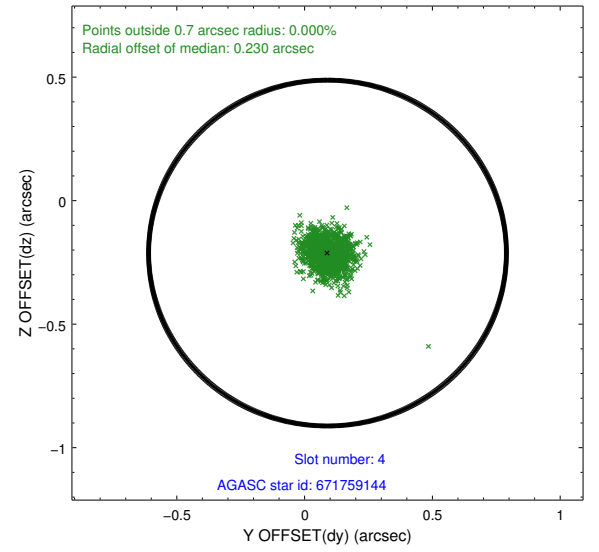
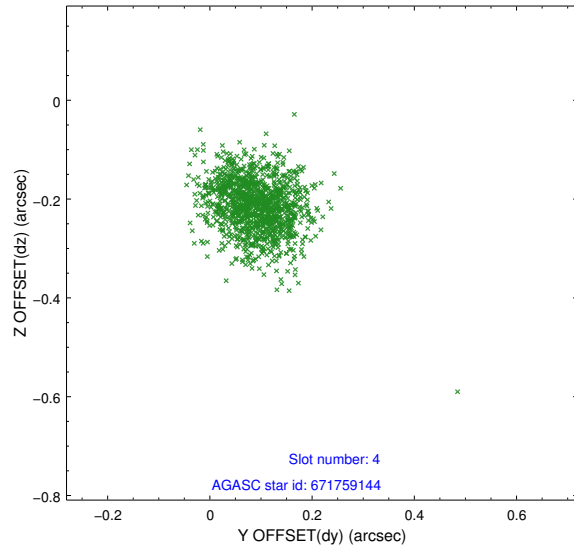
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	605	0.079	-0.088	0.009	0.015	0.000000	0.000000	929.35	-1733.91
1	FID	ACIS-S-4	7.18	606	0.114	0.027	0.007	0.012	0.000000	0.000000	2148.27	167.64
2	FID	ACIS-S-5	7.22	606	-0.219	0.073	0.007	0.013	0.000000	0.000000	-1816.44	164.30
3	GUIDE	671758624	9.18	1211	-0.006	0.209	0.088	0.143	280.543949	-5.927318	-302.44	-1877.83
4	GUIDE	671759144	8.64	1211	0.090	-0.212	0.078	0.122	279.658906	-5.990264	-1087.24	1198.83
5	GUIDE	671761568	8.43	1211	-0.152	0.113	0.057	0.091	280.250283	-5.657644	466.21	-670.13
6	GUIDE	671762280	8.87	1211	0.167	-0.181	0.095	0.158	280.028746	-5.773981	-85.39	34.23
7	GUIDE	671763744	7.53	1210	-0.100	0.072	0.061	0.096	280.132895	-5.707615	215.56	-289.12

2.4 Star Slots

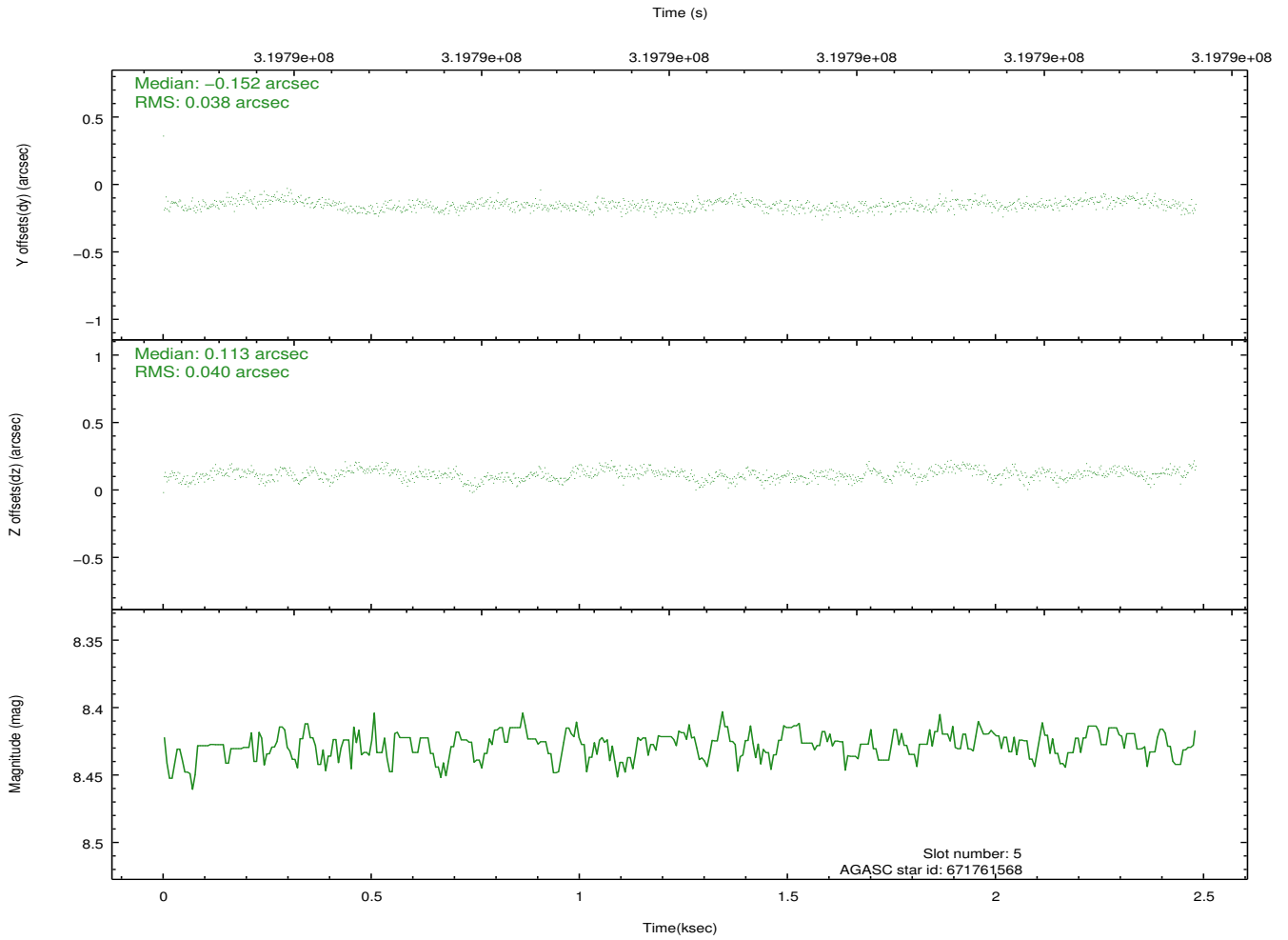
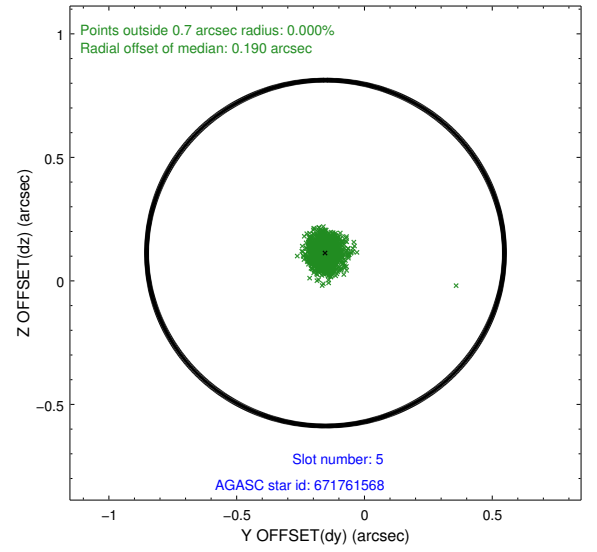
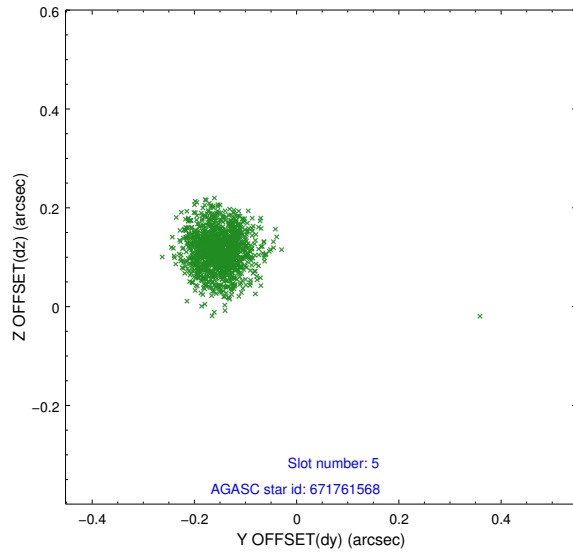
2.4.1 Slot 3



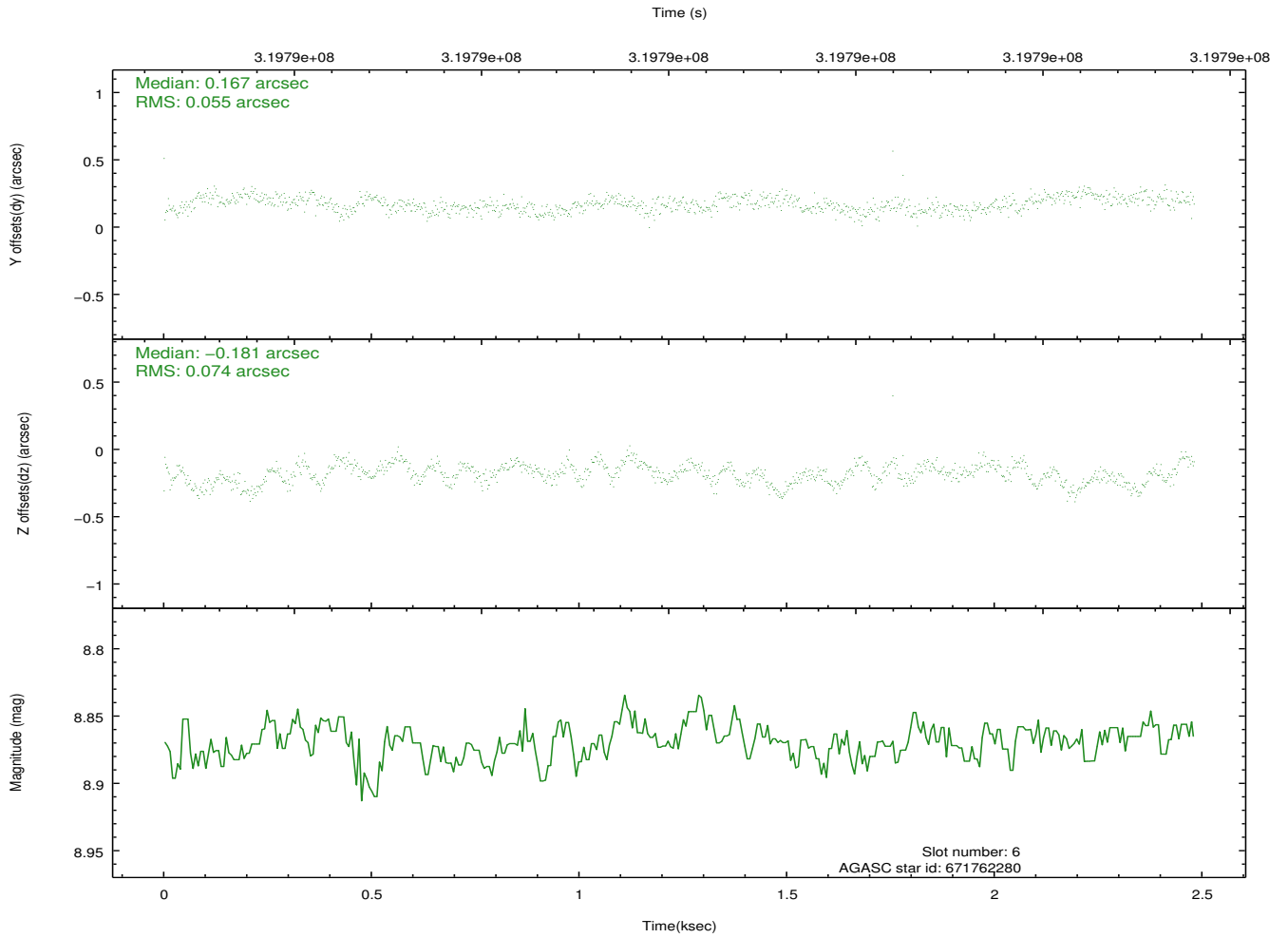
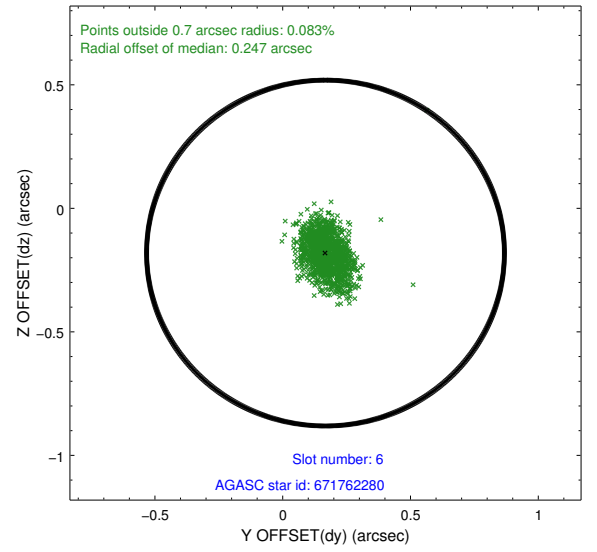
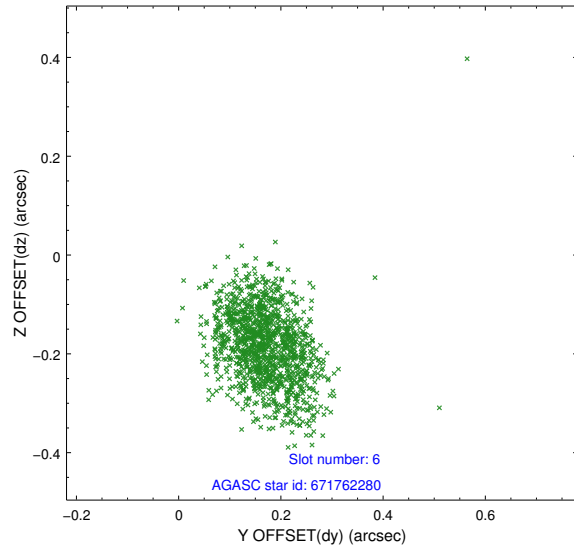
2.4.2 Slot 4



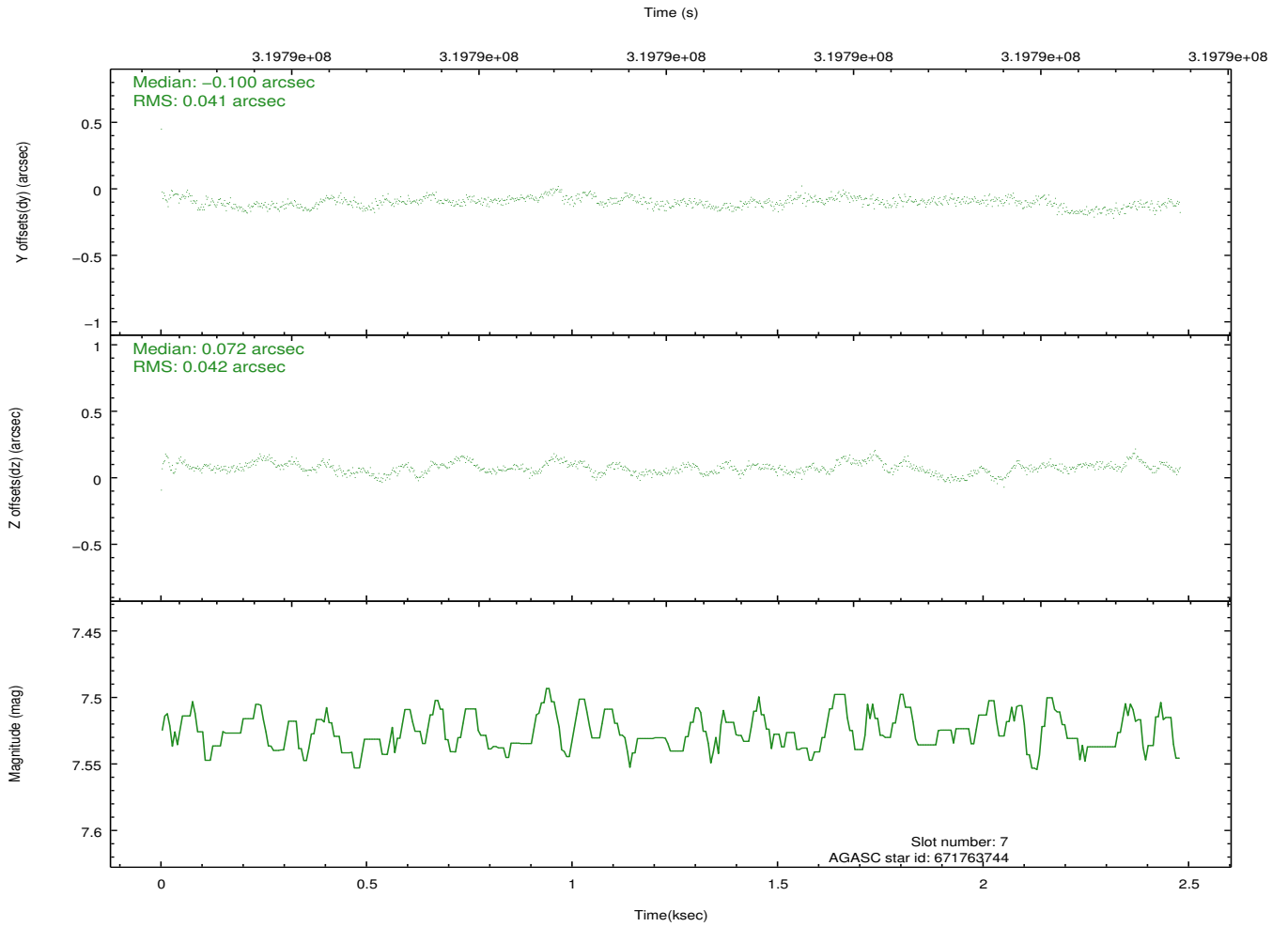
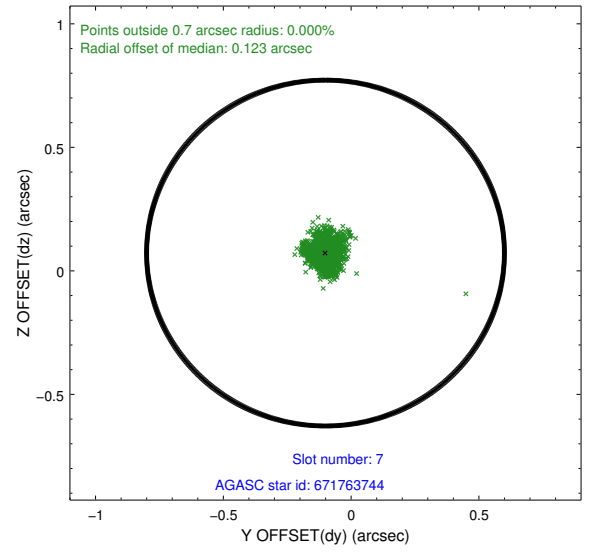
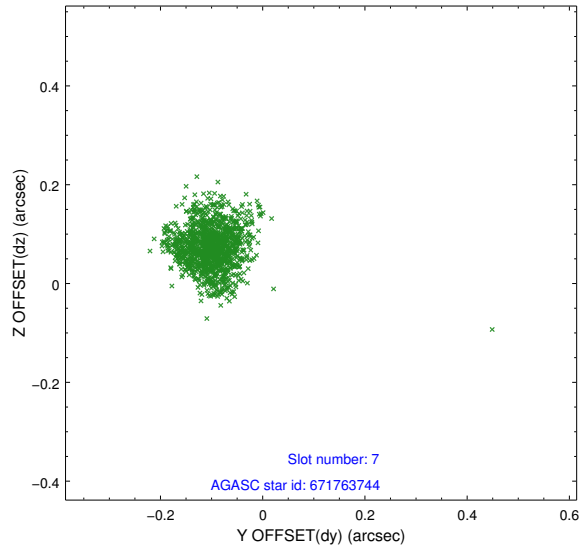
2.4.3 Slot 5



2.4.4 Slot 6

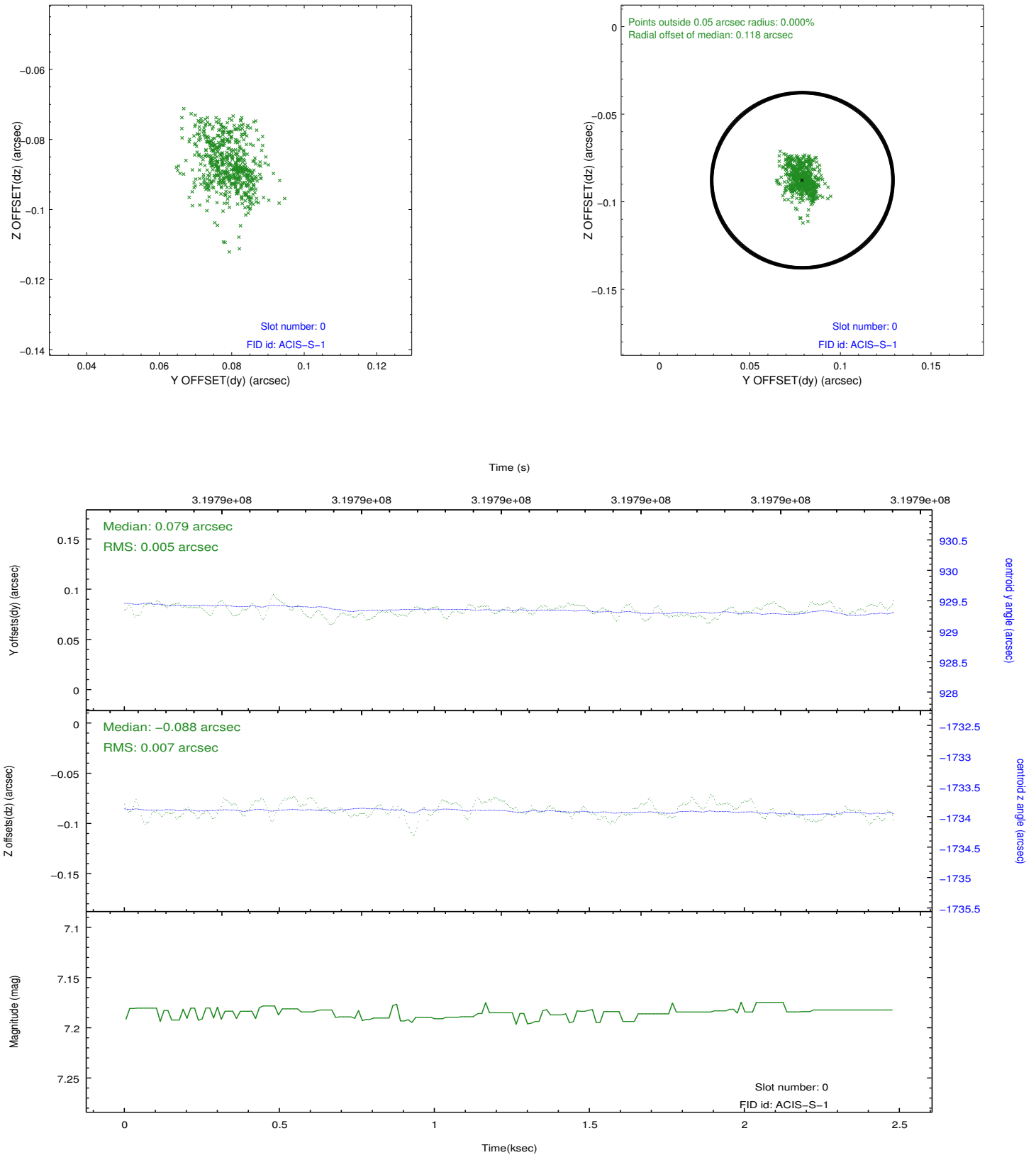


2.4.5 Slot 7

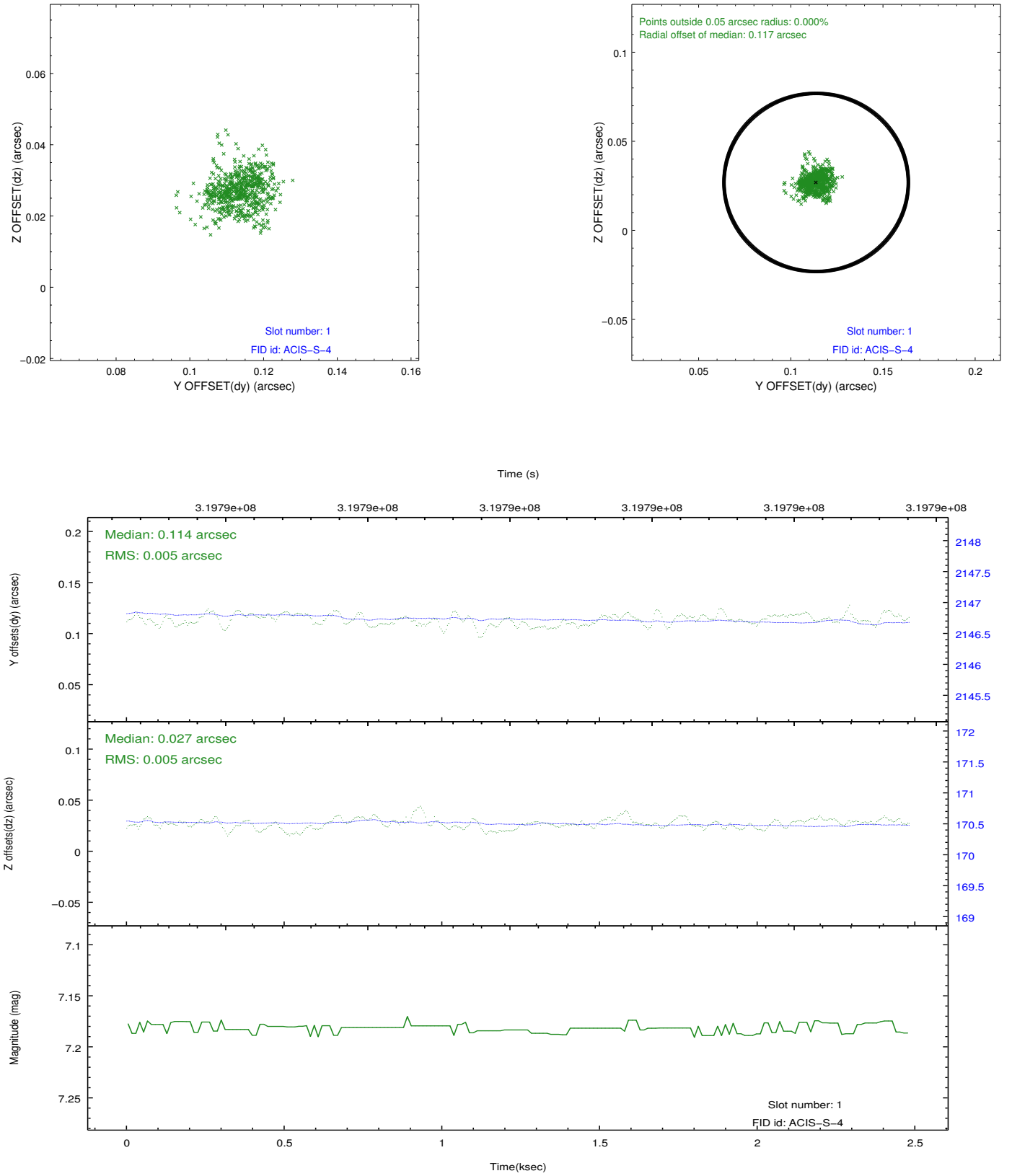


2.5 FID Slots

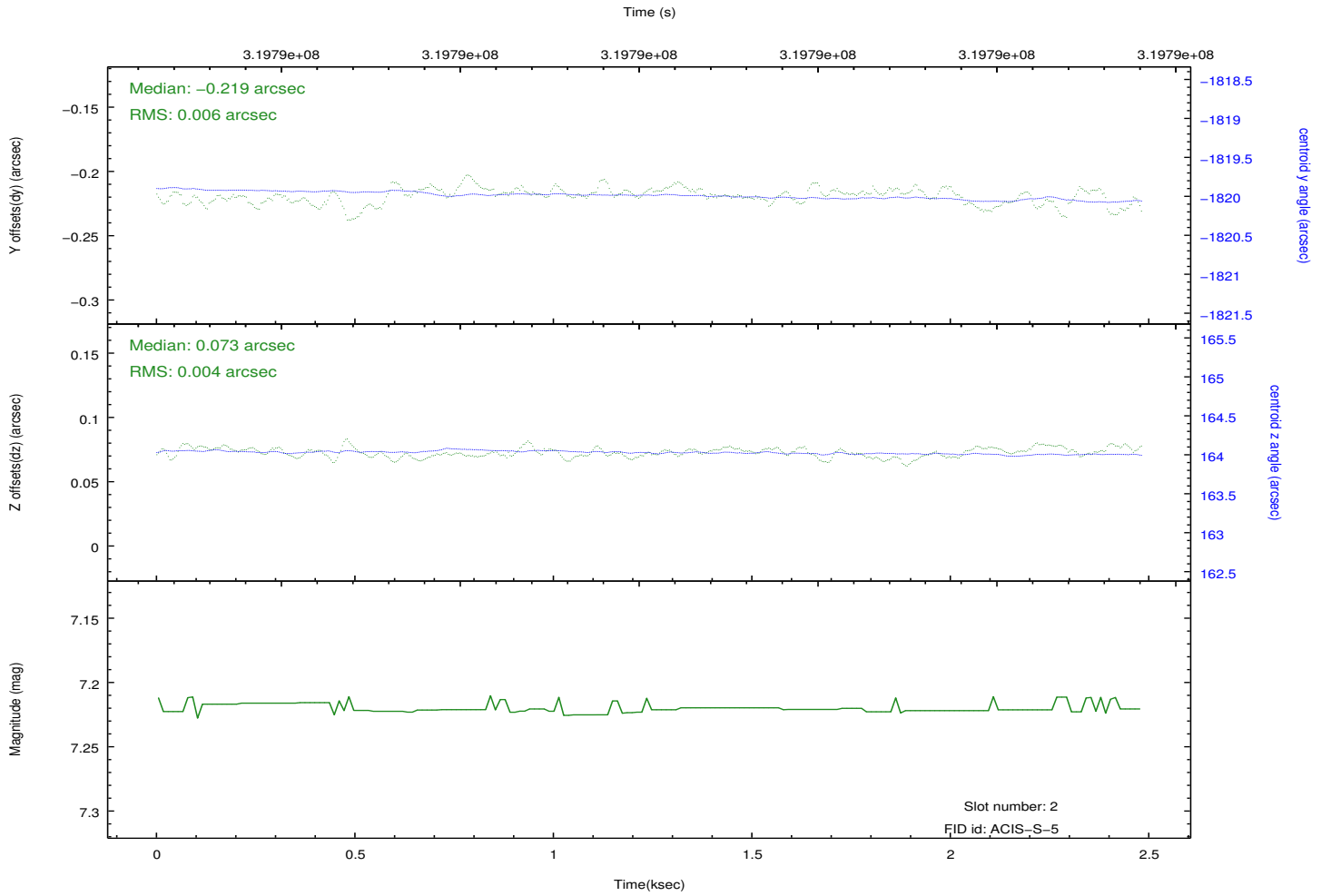
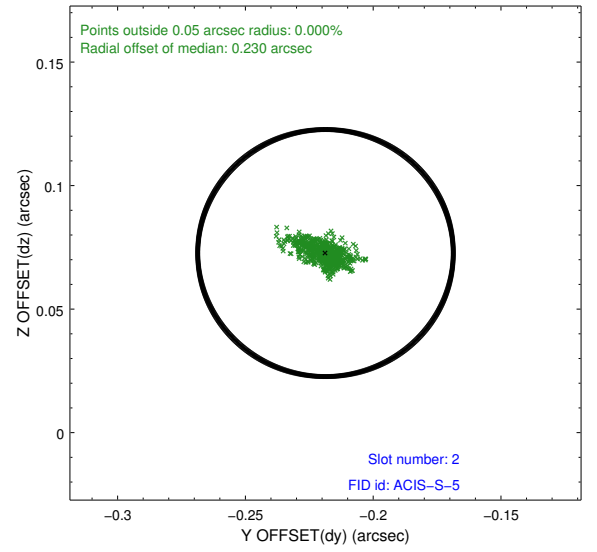
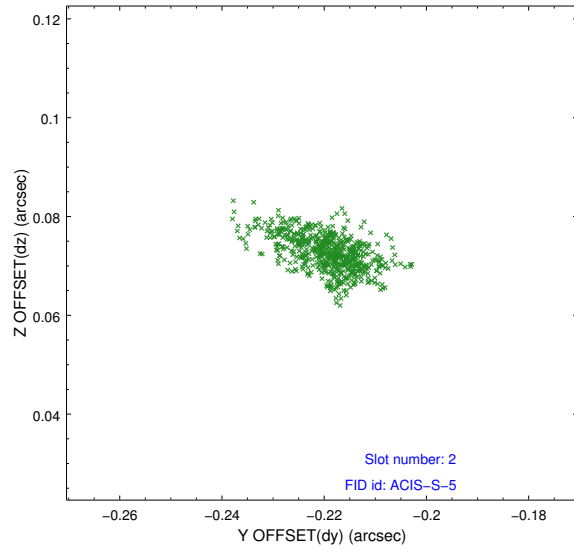
2.5.1 Slot 0



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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.65119999

A.2 Comments