

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1986 - L2 Version 3
Chandra X-Ray Center

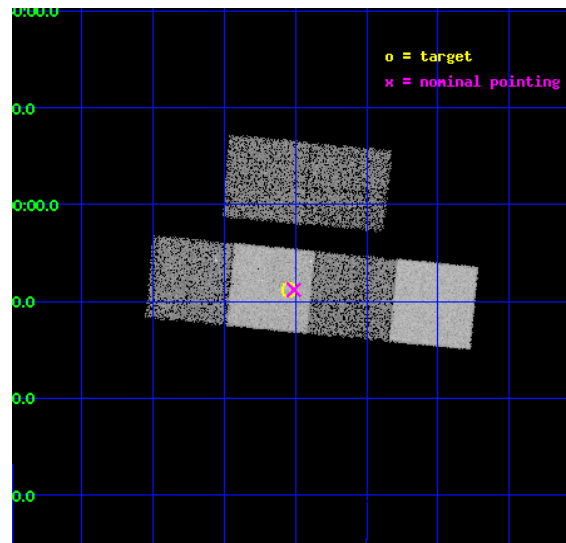
L2 Processing Date : Sep 20 2012

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

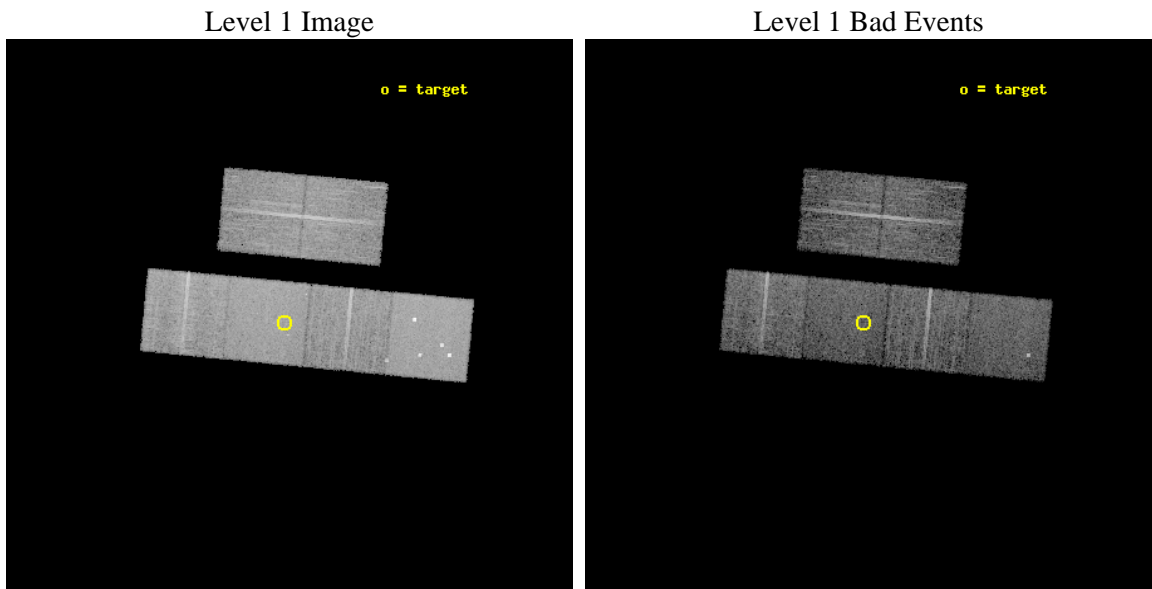
seq_num	500163	Sequence number
obs_id	1986	Observation id
title	ACIS IMAGING OF SNR/GAMMA-RAY/YOUNG PULSAR ASSOCIATIONS	Proposal t
observer	Prof. Roger Romani	Principal investigator
object	GEV J1837-0610	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	279.3875	Observer's specified target RA [deg]
dec_targ	-6.147778	Observer's specified target Dec [deg]
ra_nom	279.37773369486	Nominal RA [deg]
dec_nom	-6.1469977405933	Nominal Dec [deg]
roll_nom	185.4654658911	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9123.2000084817	Sum of GTIs [s]
livetime	9007.6765566428	Livetime [s]
ontime2	9123.2000084817	Sum of GTIs [s]
ontime3	9123.2000084817	Sum of GTIs [s]
ontime5	9123.2000084817	Sum of GTIs [s]
ontime6	9123.2000084817	Sum of GTIs [s]
ontime7	9123.2000084817	Sum of GTIs [s]
ontime8	9123.2000084817	Sum of GTIs [s]
l2events	93431	Number of level 2 events



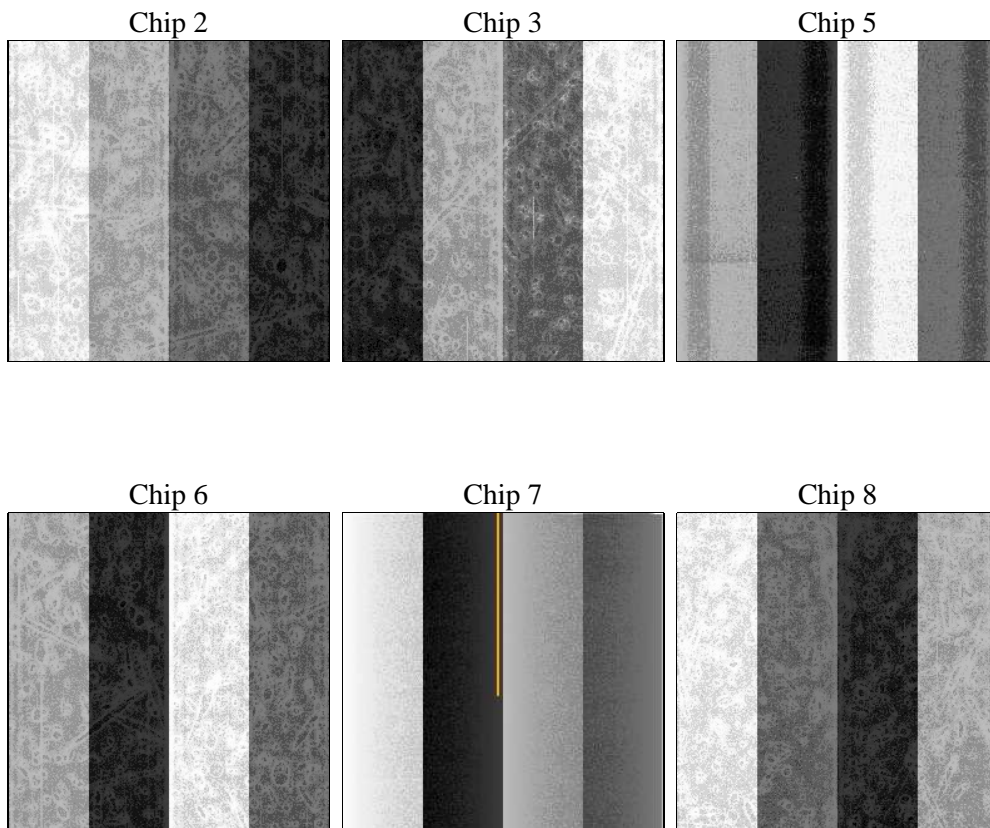
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9123.2000084817	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	9123.2000084817	Sum of GTIs [s]
date	2012-09-20T07:33:02	Date and time of file creation	ontime3	9123.2000084817	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9123.2000084817	Sum of GTIs [s]
			ontime6	9123.2000084817	Sum of GTIs [s]
			ontime7	9123.2000084817	Sum of GTIs [s]
			ontime8	9123.2000084817	Sum of GTIs [s]
			l1events	468688	Number of level 1 events

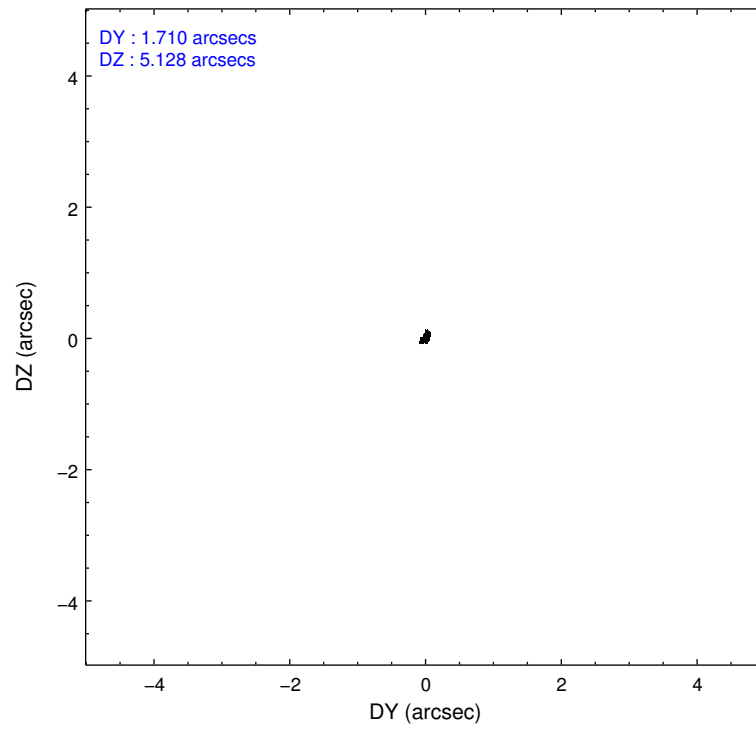
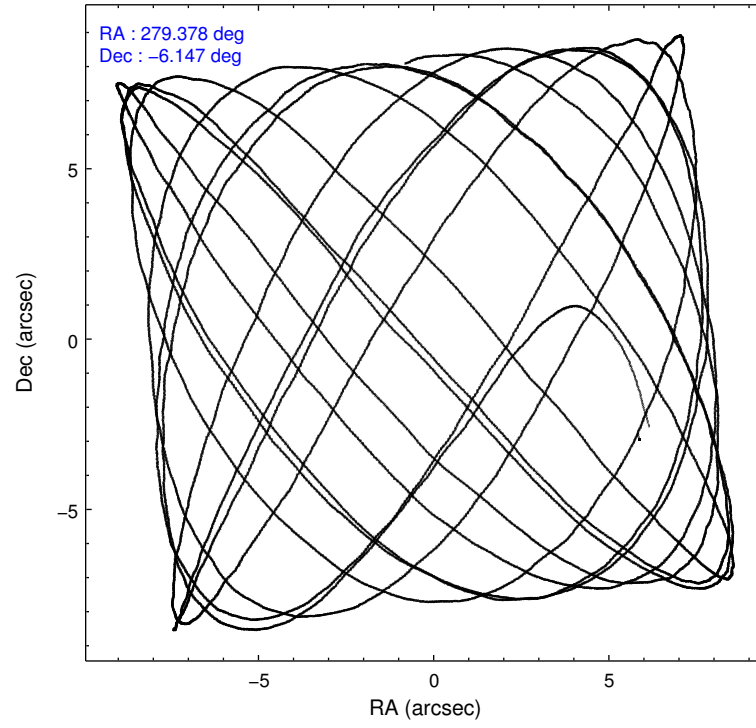
2.1.4 Events

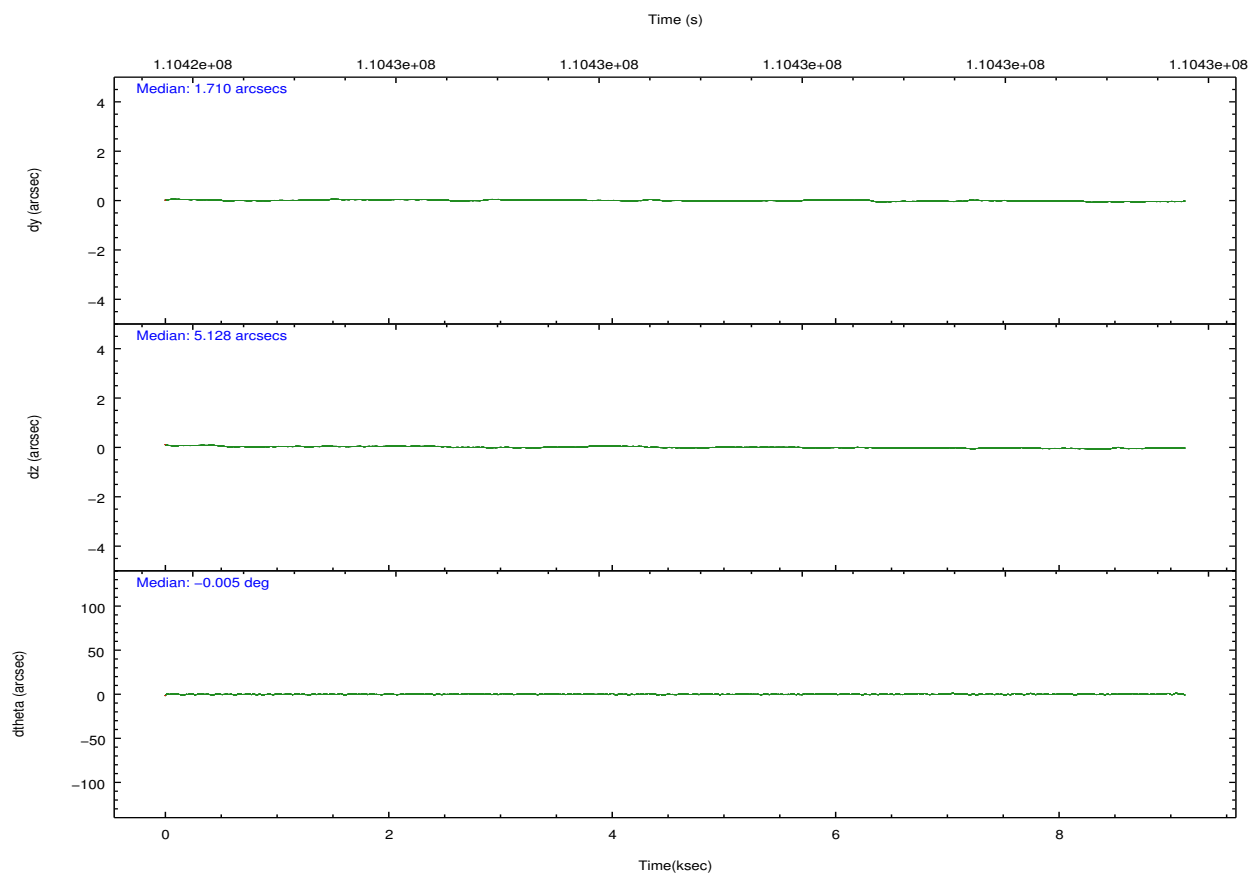
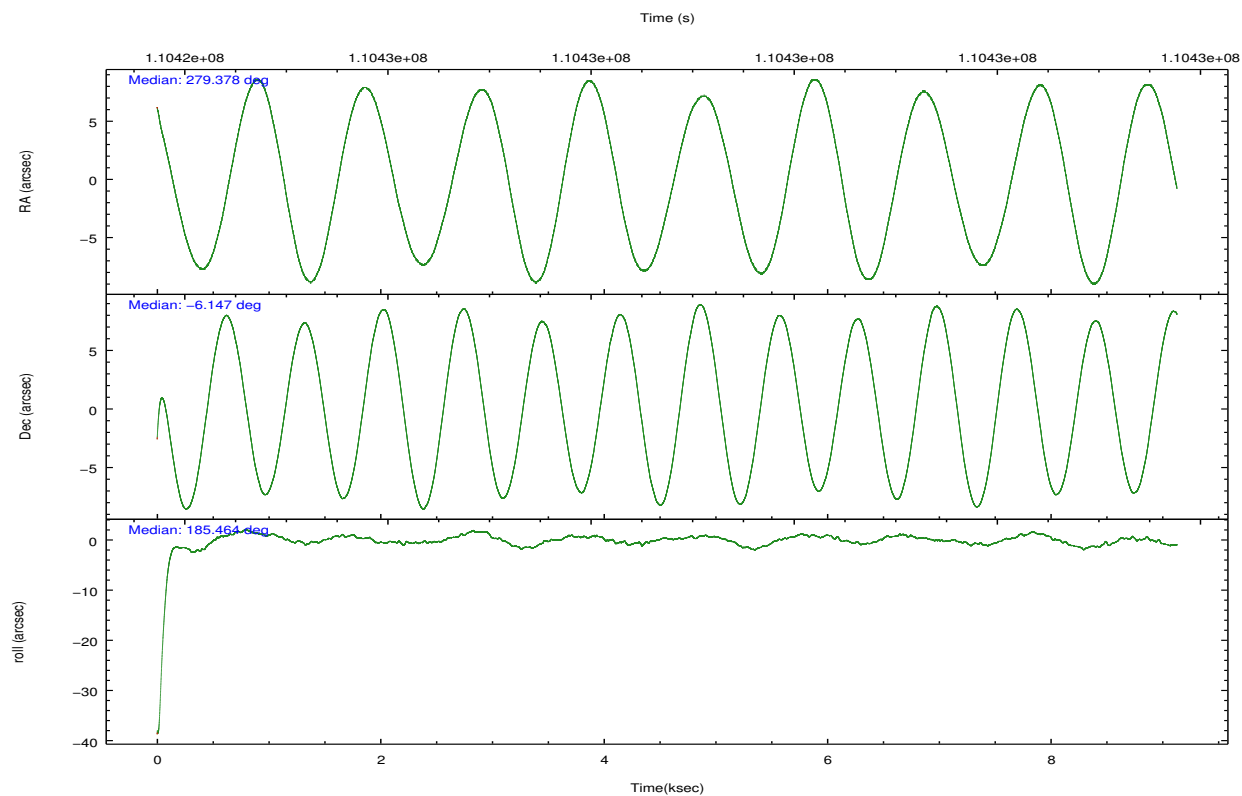
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	67383	65415	99654	66689	85334	84213	grade 0 events	2929	3199	10159	3263	3238	5823
rejected events	60793	58546	55259	59427	52699	67714		4%	4%	10%	4%	3%	6%
rejected %	90%	89%	55%	89%	61%	80%	grade 1 events	40	28	782	30	68	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	1559	1477	12657	1604	7152	3783
								2%	2%	12%	2%	8%	4%
							grade 3 events	674	696	1909	793	3142	1941
								1%	1%	1%	1%	3%	2%
							grade 4 events	722	681	1877	774	3218	1860
								1%	1%	1%	1%	3%	2%
							grade 5 events	2310	2576	7237	2816	8115	3613
								3%	3%	7%	4%	9%	4%
							grade 6 events	1267	1373	22203	1465	19143	4357
								1%	2%	22%	2%	22%	5%
							grade 7 events	57882	55385	42830	55944	41258	62778
								85%	84%	42%	83%	48%	74%

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	279.399901	279.3777336948646	Subarray requested	NONE	NONE
[deg] Pointing Dec	-6.130905	-6.146997740593324	Alternating exposures requested	N	N
[deg] Pointing Roll	185.311256	185.4654658910951	[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)	110424311.184000	110422805.96018			
Observation start date	2001-07-02T01:24:07	2001-07-02T01:00:05			
[s] Observation end time (MET)	110433311.184000	110433770.38561			
Observation end date	2001-07-02T03:54:07	2001-07-02T04:02:50			
Read mode	TIMED	TIMED			

2.3 Aspect



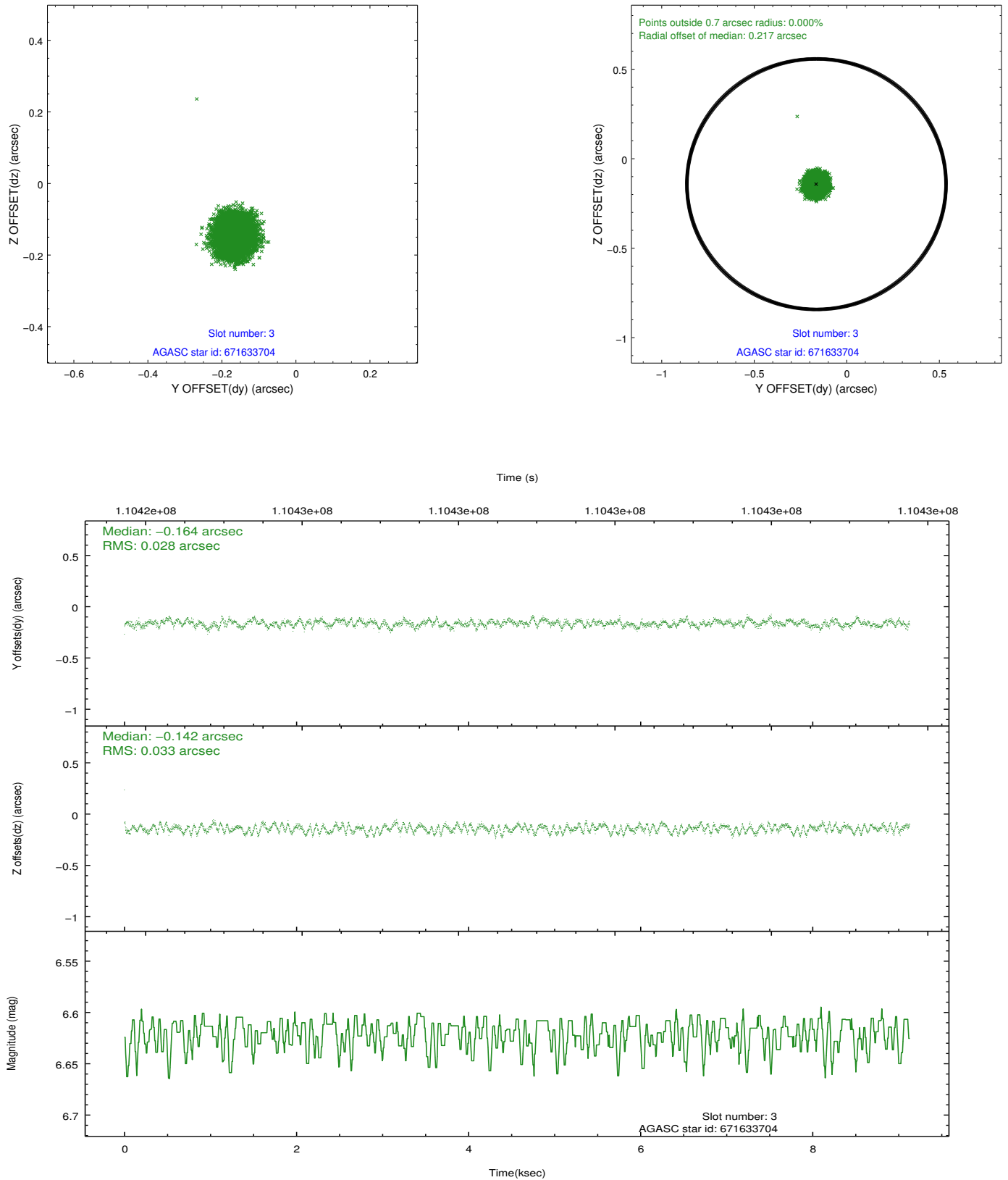


Slot Statistics

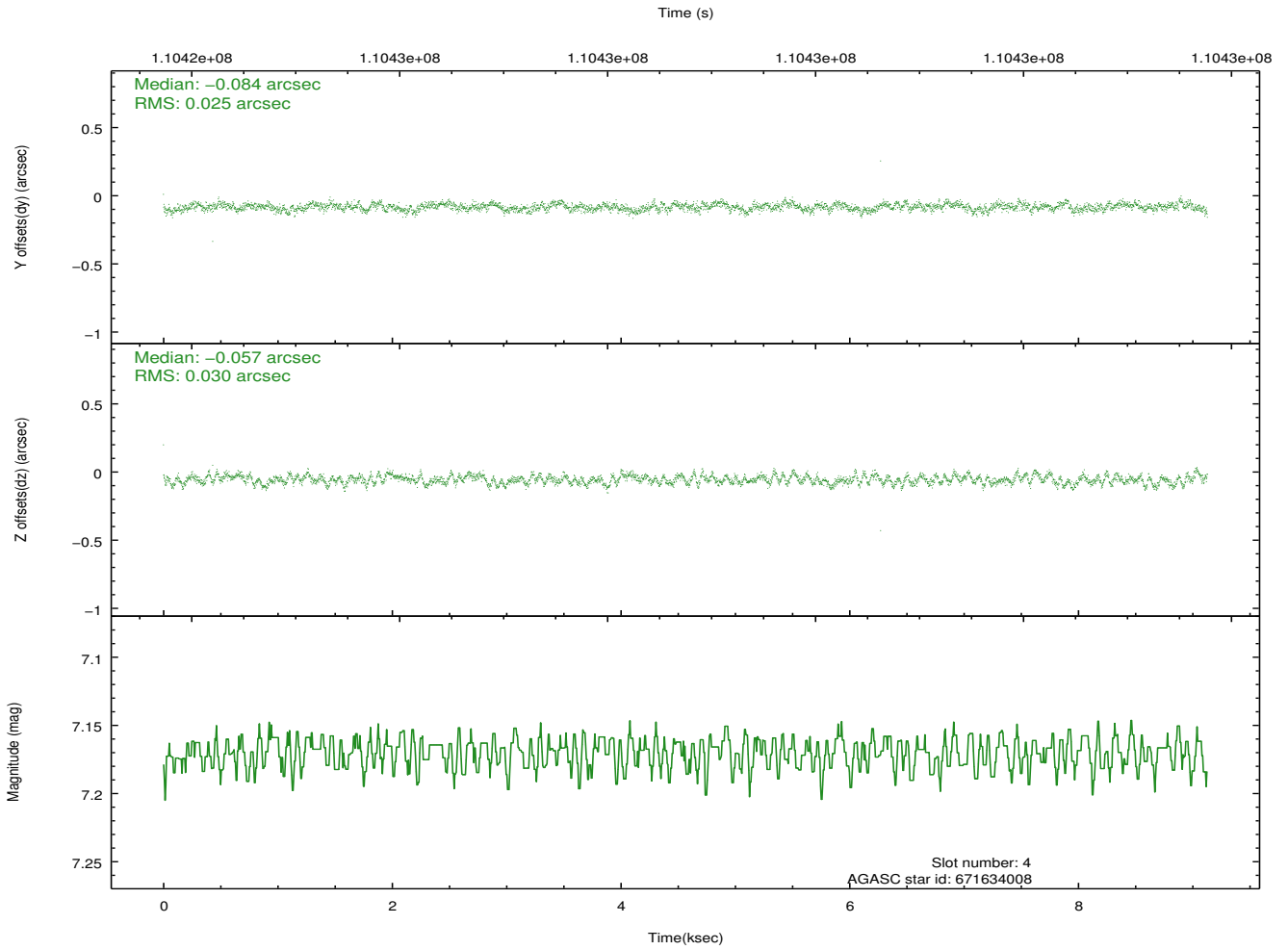
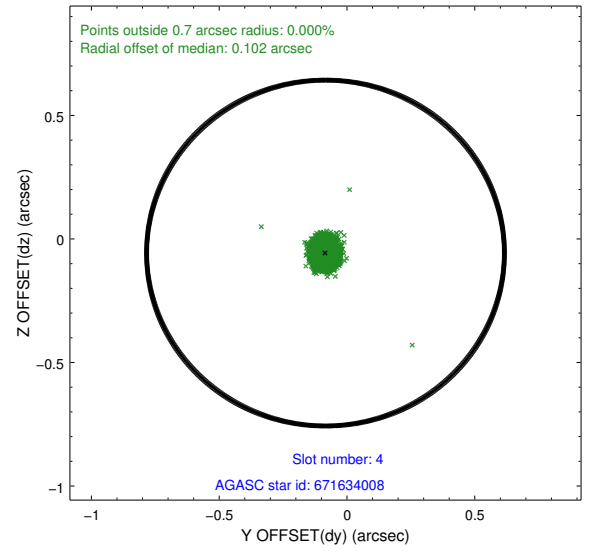
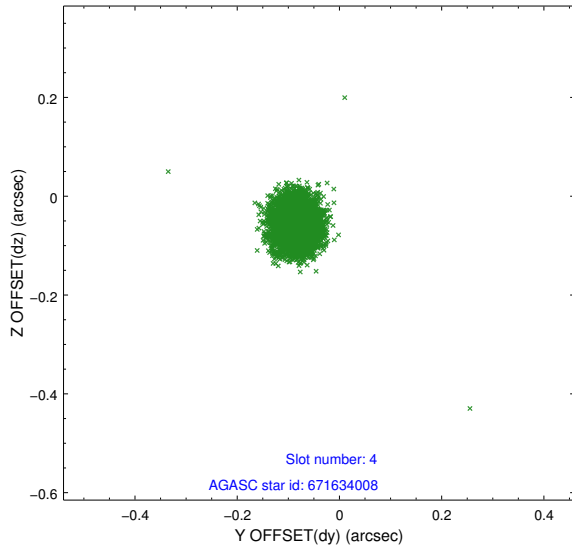
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2226	-0.037	0.000	0.006	0.011	0.000000	0.000000	-754.32	-1726.26
1	FID	ACIS-S-4	7.20	2226	-0.035	0.018	0.005	0.009	0.000000	0.000000	2158.65	181.68
2	FID	ACIS-S-5	7.24	2227	0.041	-0.009	0.006	0.010	0.000000	0.000000	-1806.35	175.93
3	GUIDE	671633704	6.62	4453	-0.164	-0.142	0.047	0.071	279.032674	-6.742060	1510.66	2069.25
4	GUIDE	671634008	7.17	4453	-0.084	-0.057	0.041	0.065	279.178009	-6.421976	887.48	970.18
5	GUIDE	671762280	8.86	4452	0.094	0.038	0.064	0.104	280.028746	-5.773981	-2361.42	-1069.74
6	GUIDE	671759144	8.66	4452	0.047	0.146	0.054	0.088	279.658906	-5.990264	-970.78	-418.55
7	GUIDE	671767040	9.88	4450	0.107	0.016	0.096	0.160	279.553794	-6.200305	-525.51	299.38

2.4 Star Slots

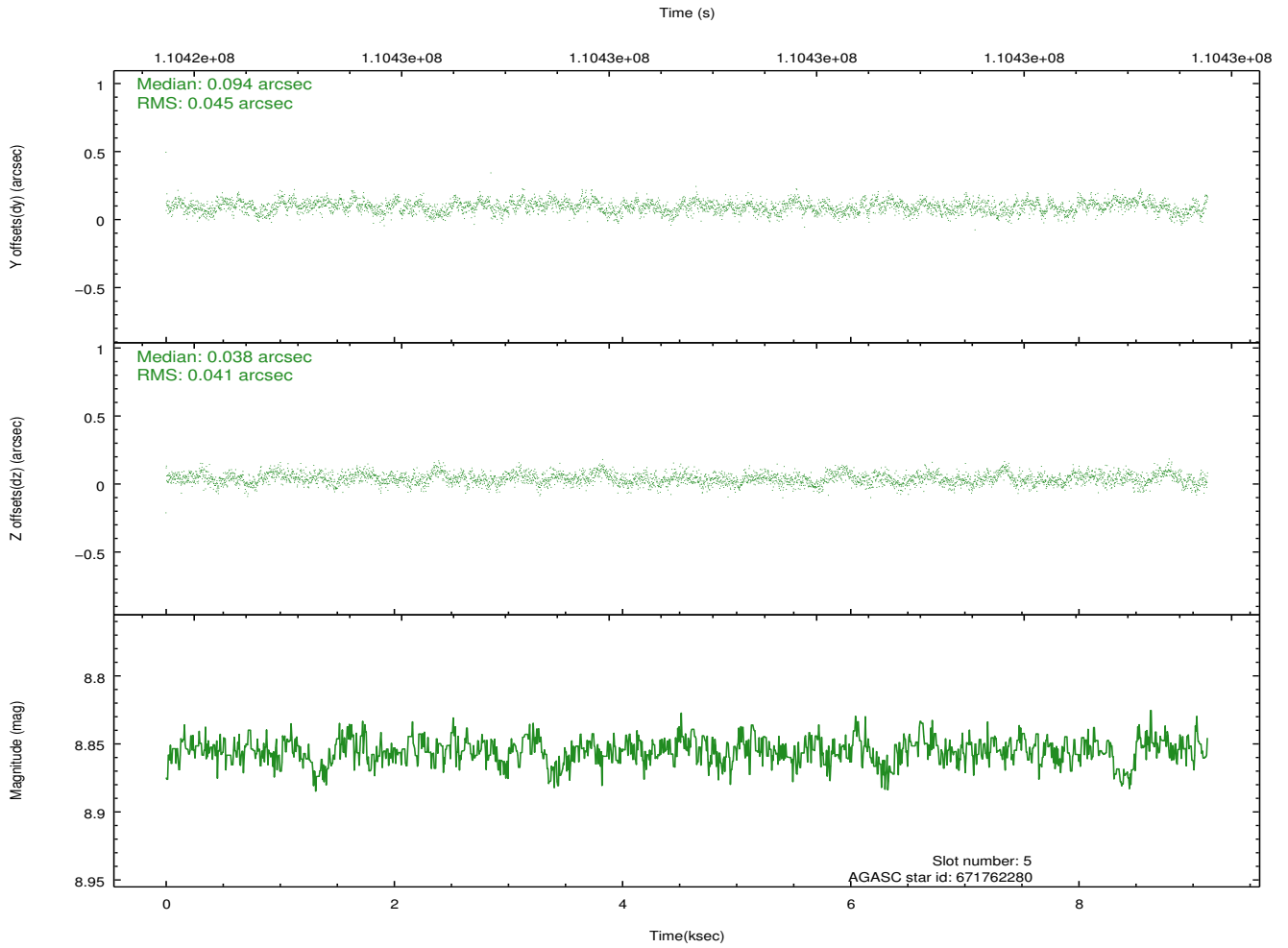
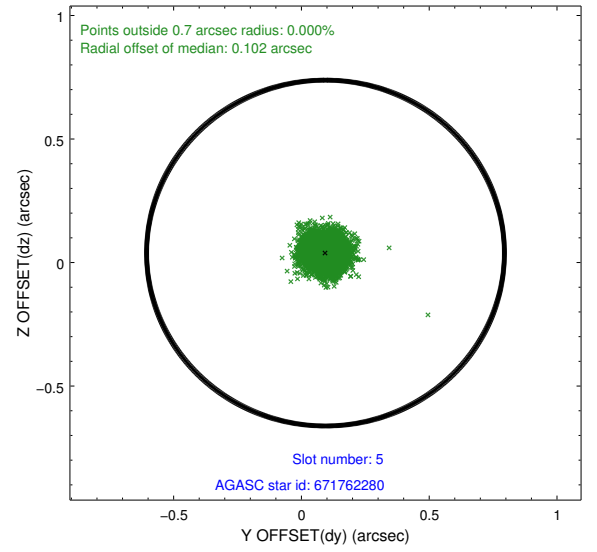
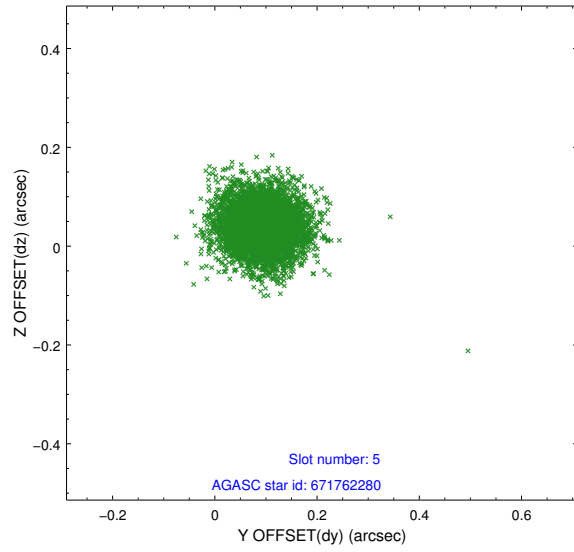
2.4.1 Slot 3



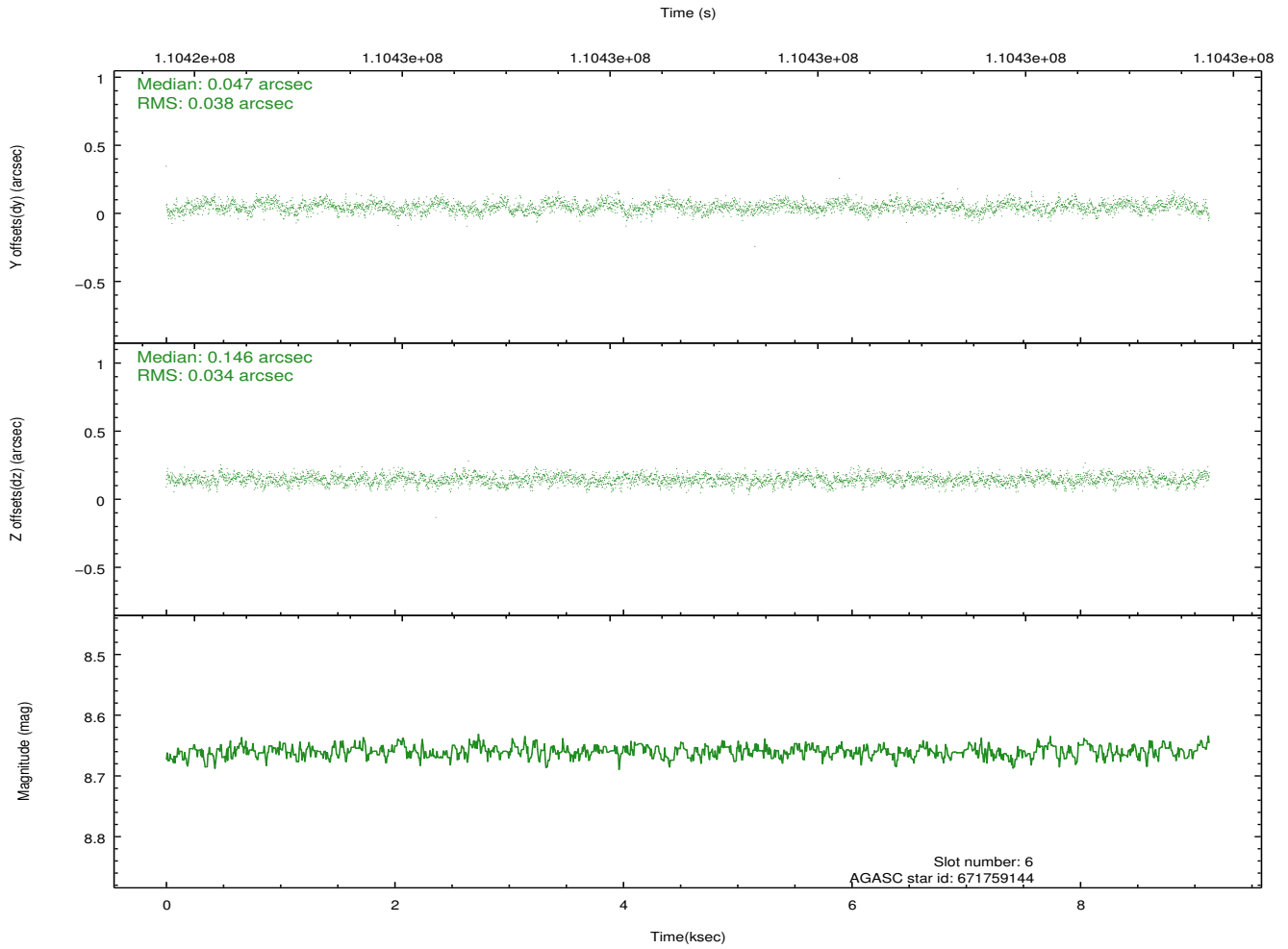
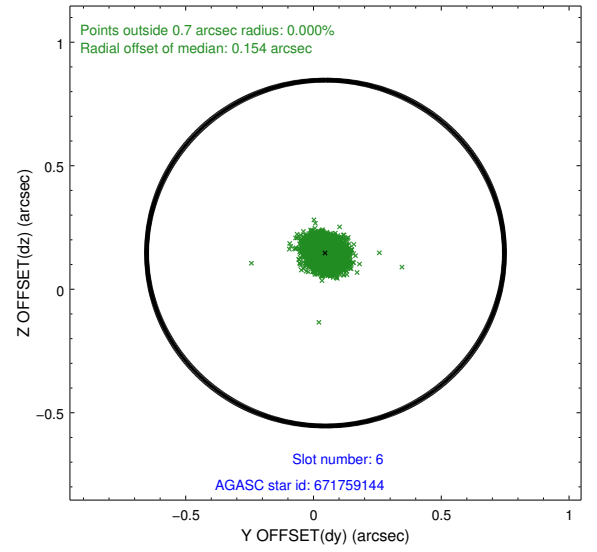
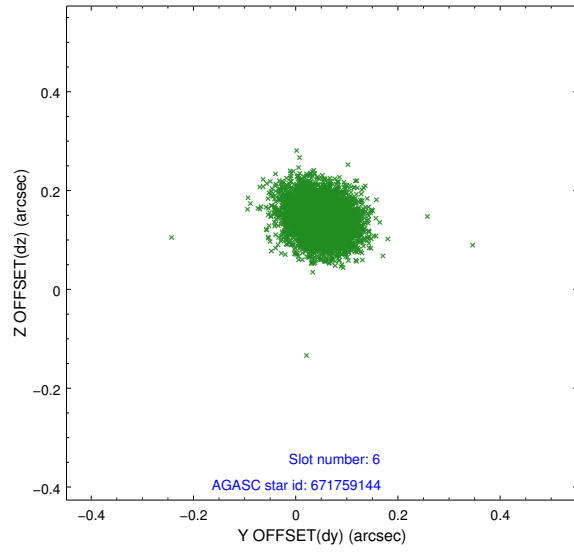
2.4.2 Slot 4



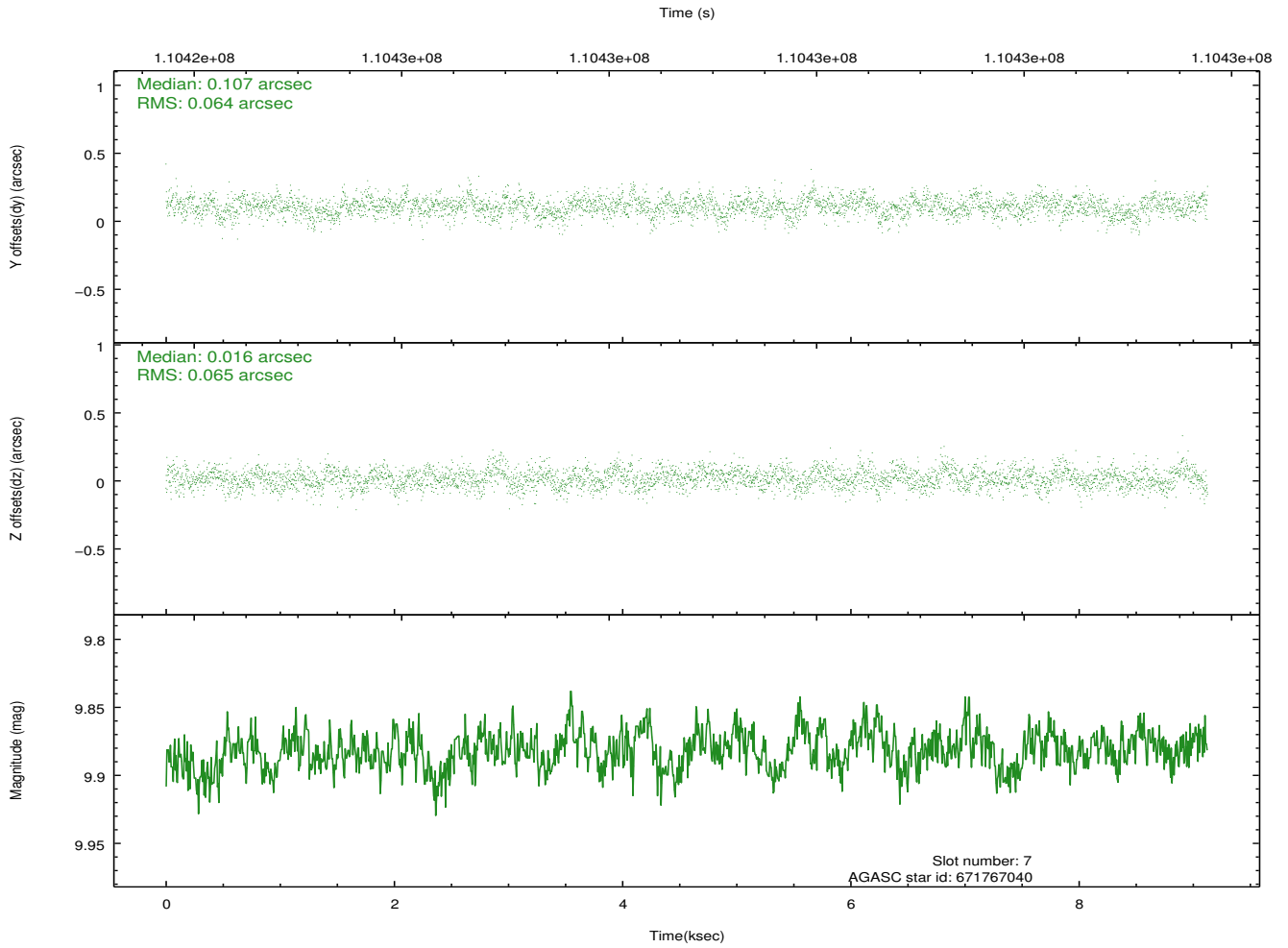
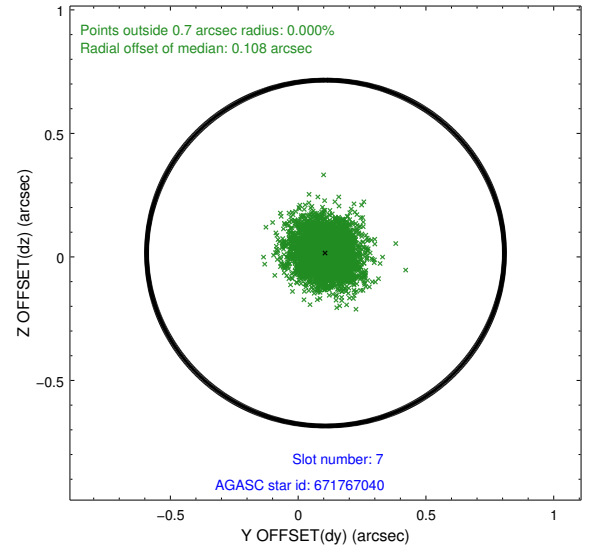
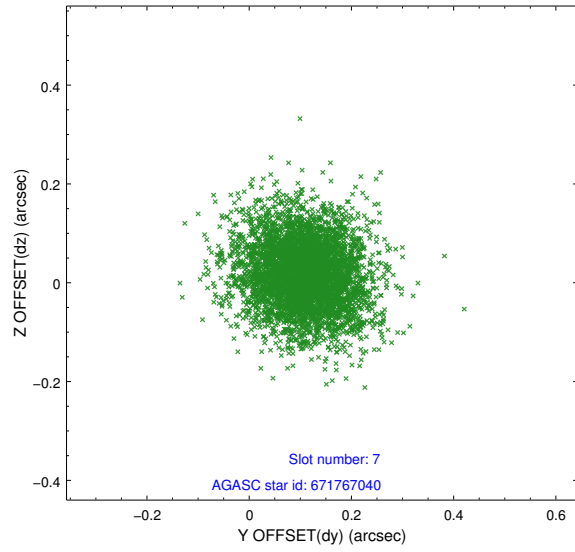
2.4.3 Slot 5



2.4.4 Slot 6

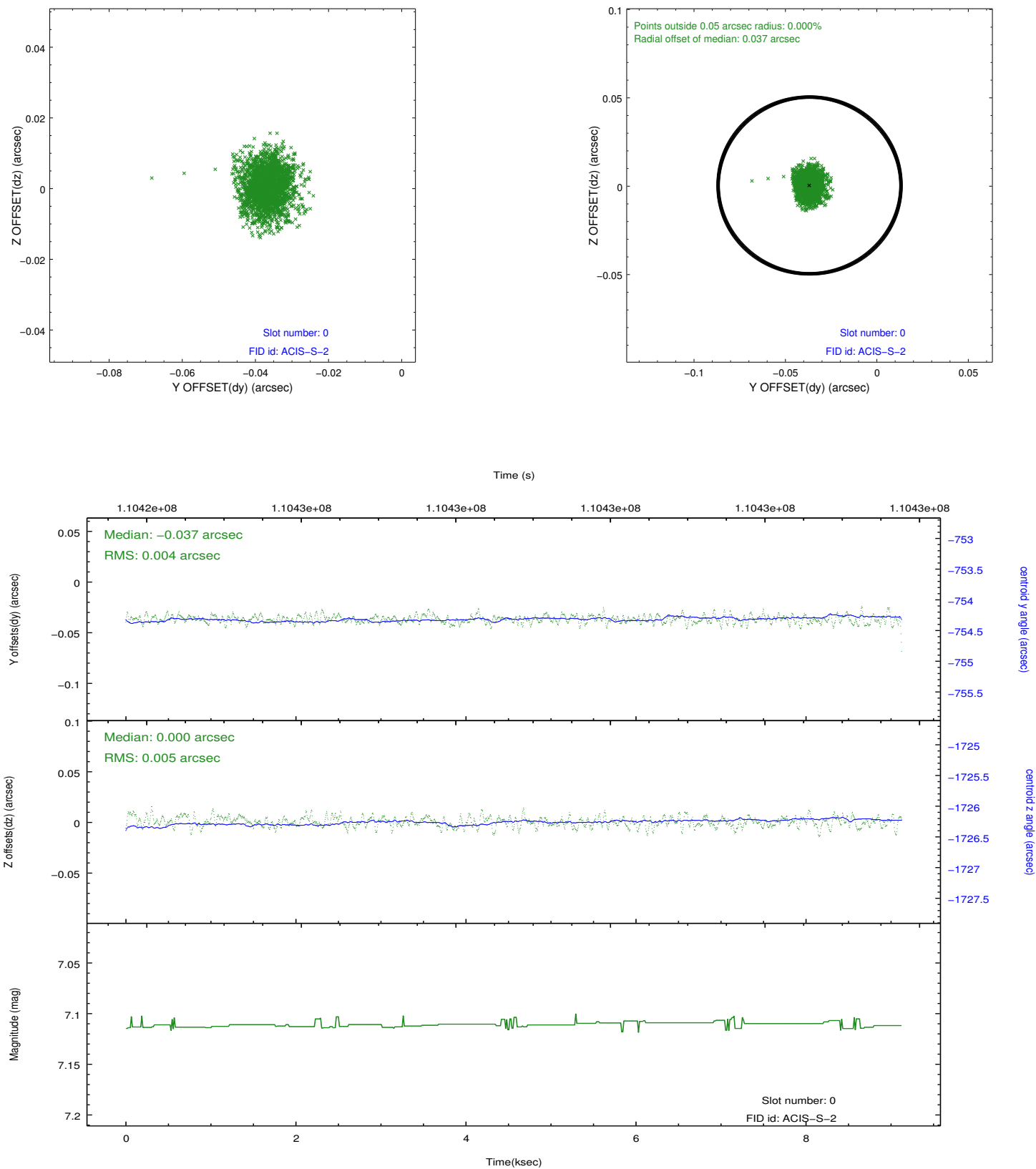


2.4.5 Slot 7

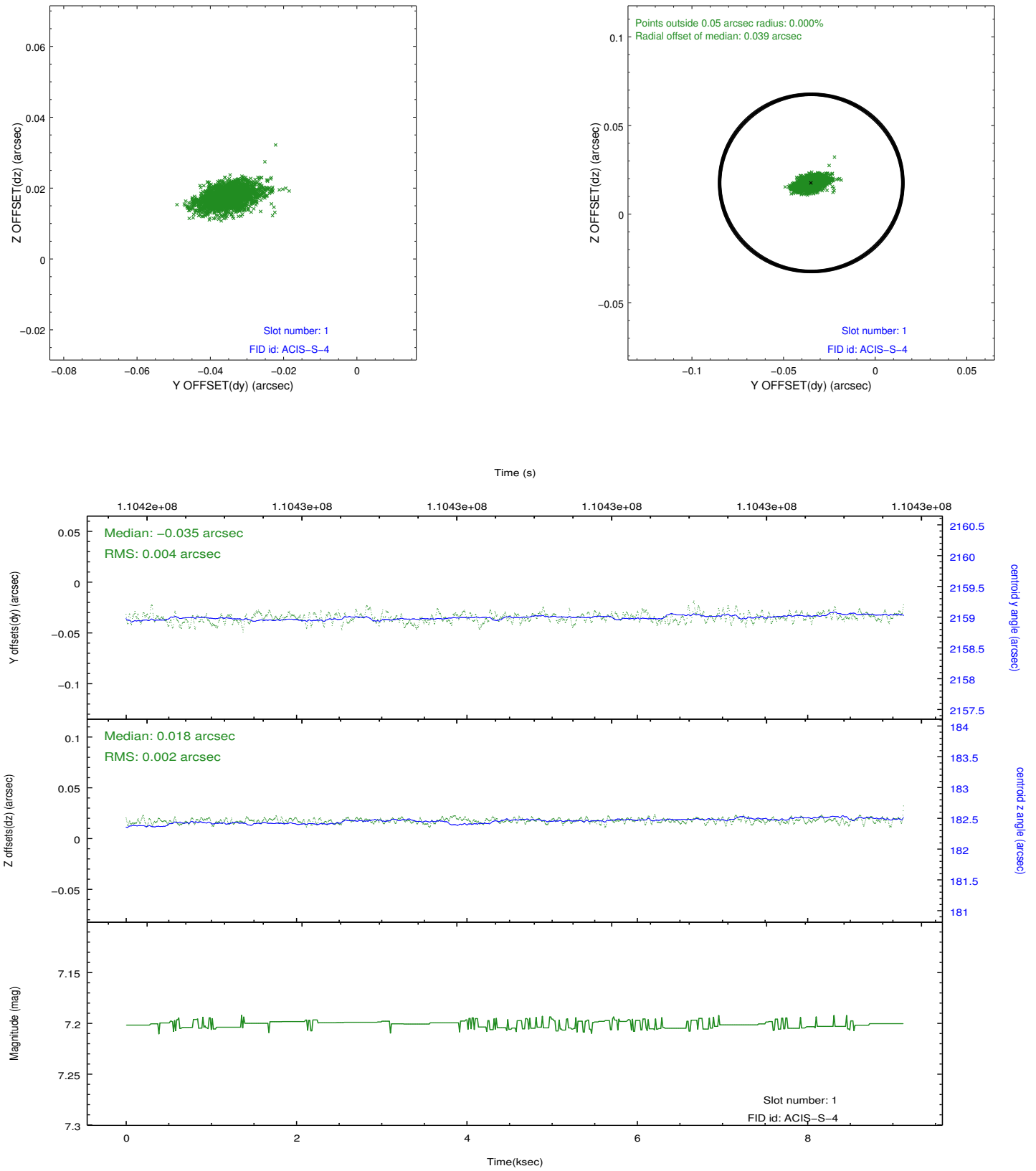


2.5 FID Slots

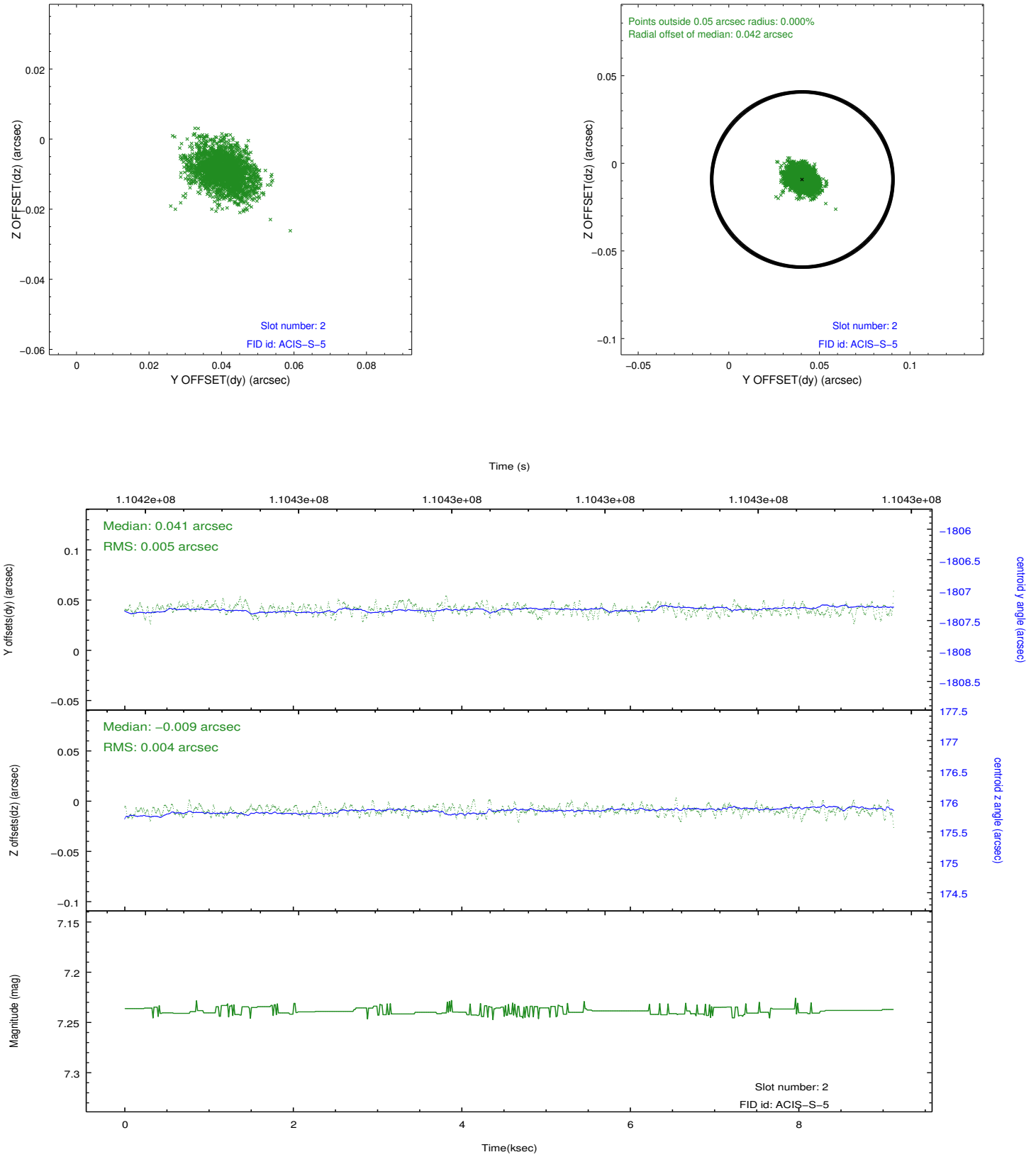
2.5.1 Slot 0



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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.1

A.2 Comments