

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10931 - L2 Version 2
Chandra X-Ray Center

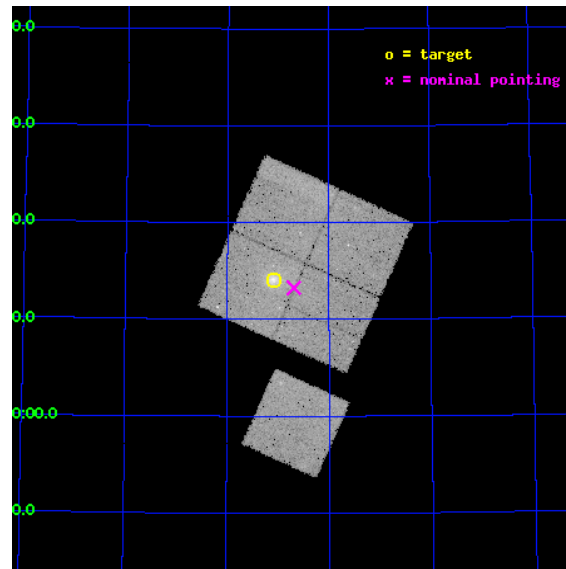
L2 Processing Date : Jun 10 2012

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

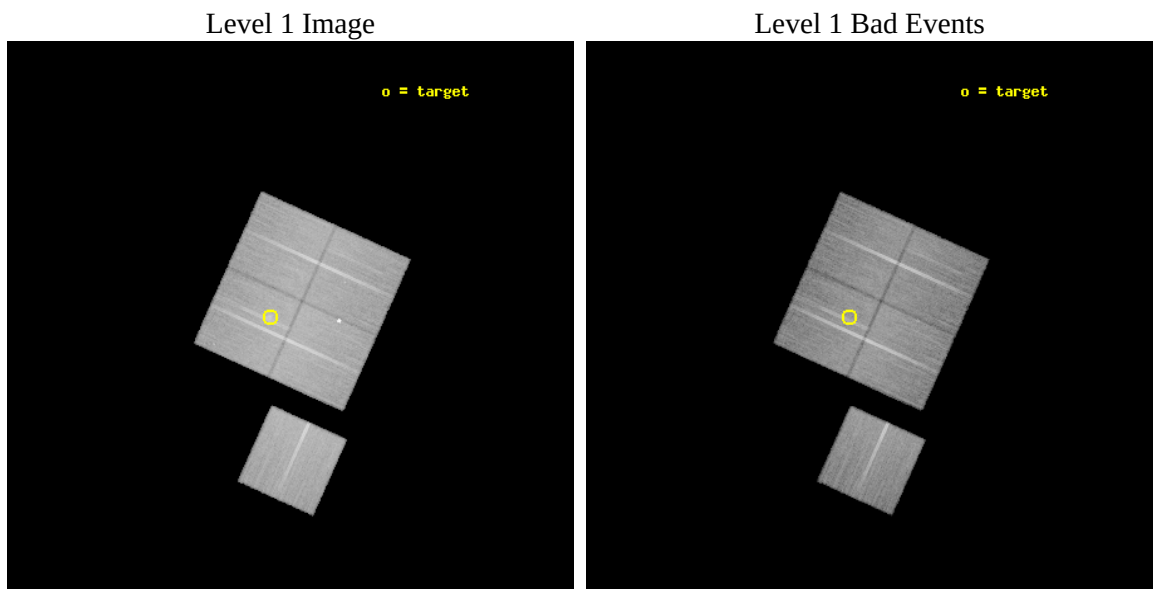
seq_num	800773	Sequence number
obs_id	10931	Observation id
title	The X-ray gaseous environment of dying radio sources	Proposal titl
observer	Dr Matteo Murgia	Principal investigator
object	ZwCl 1829.3+6912	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	277.27125	Observer's specified target RA [deg]
dec_targ	69.235028	Observer's specified target Dec [deg]
ra_nom	277.17215233136	Nominal RA [deg]
dec_nom	69.221265769	Nominal Dec [deg]
roll_nom	204.30135045875	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30624.859275162	Sum of GTIs [s]
livetime	30224.722943039	Livetime [s]
ontime0	30618.577244639	Sum of GTIs [s]
ontime1	30628.000235558	Sum of GTIs [s]
ontime2	30615.436394036	Sum of GTIs [s]
ontime3	30624.859275162	Sum of GTIs [s]
ontime6	30628.000235558	Sum of GTIs [s]
l2events	119868	Number of level 2 events



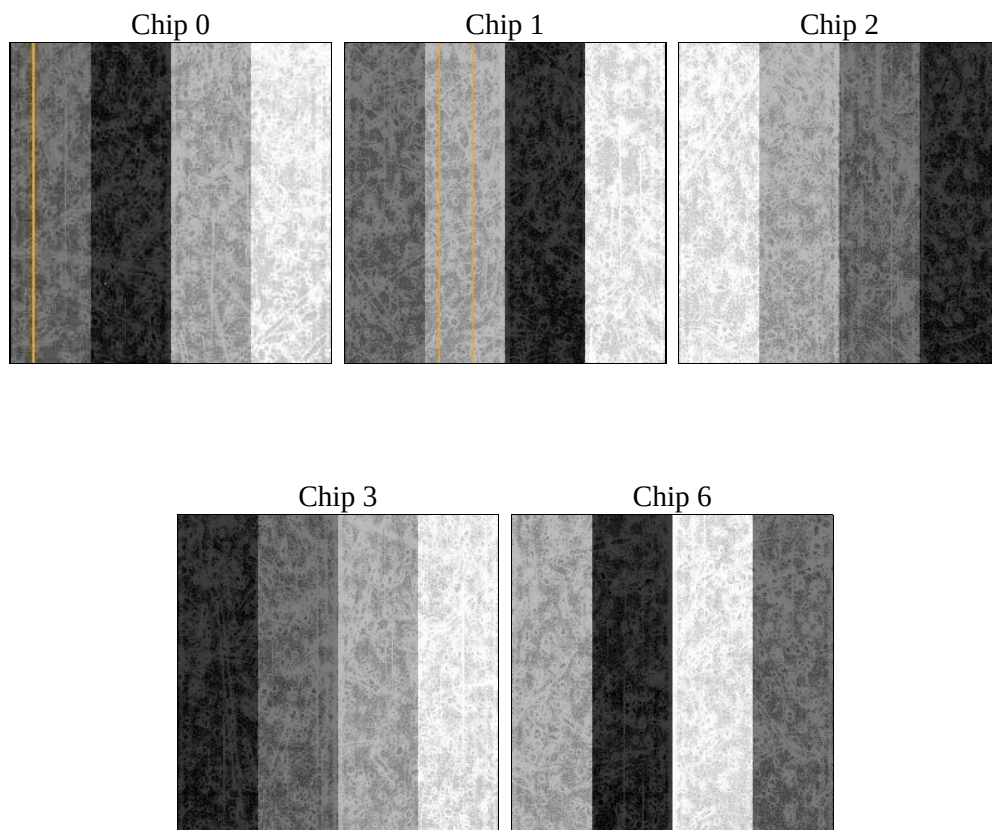
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	30624.859275162	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	30618.577244639	Sum of GTIs [s]
date	2012-06-11T00:23:35	Date and time of file creation	ontime1	30628.000235558	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	30615.436394036	Sum of GTIs [s]
			ontime3	30624.859275162	Sum of GTIs [s]
			ontime6	30628.000235558	Sum of GTIs [s]
			l1events	1322133	Number of level 1 events

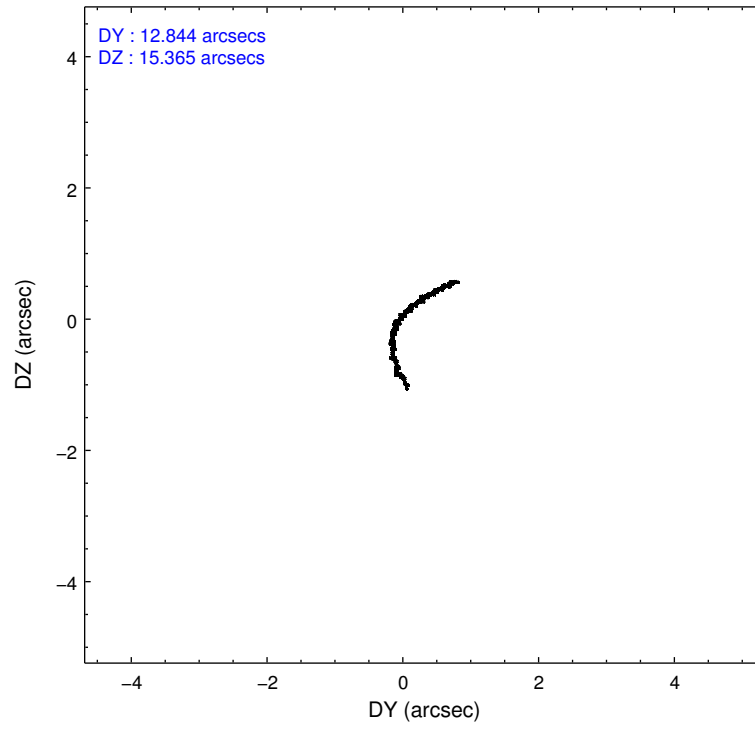
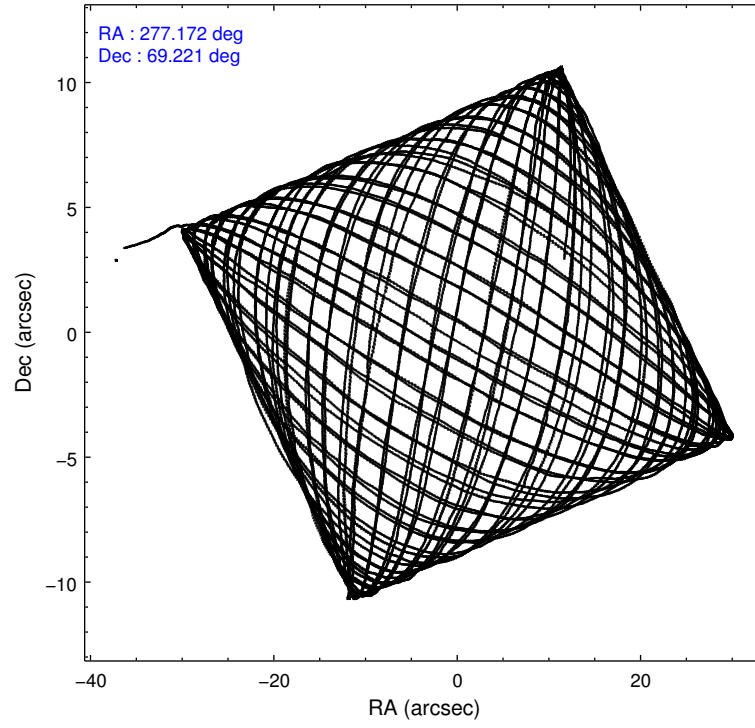
2.1.4 Events

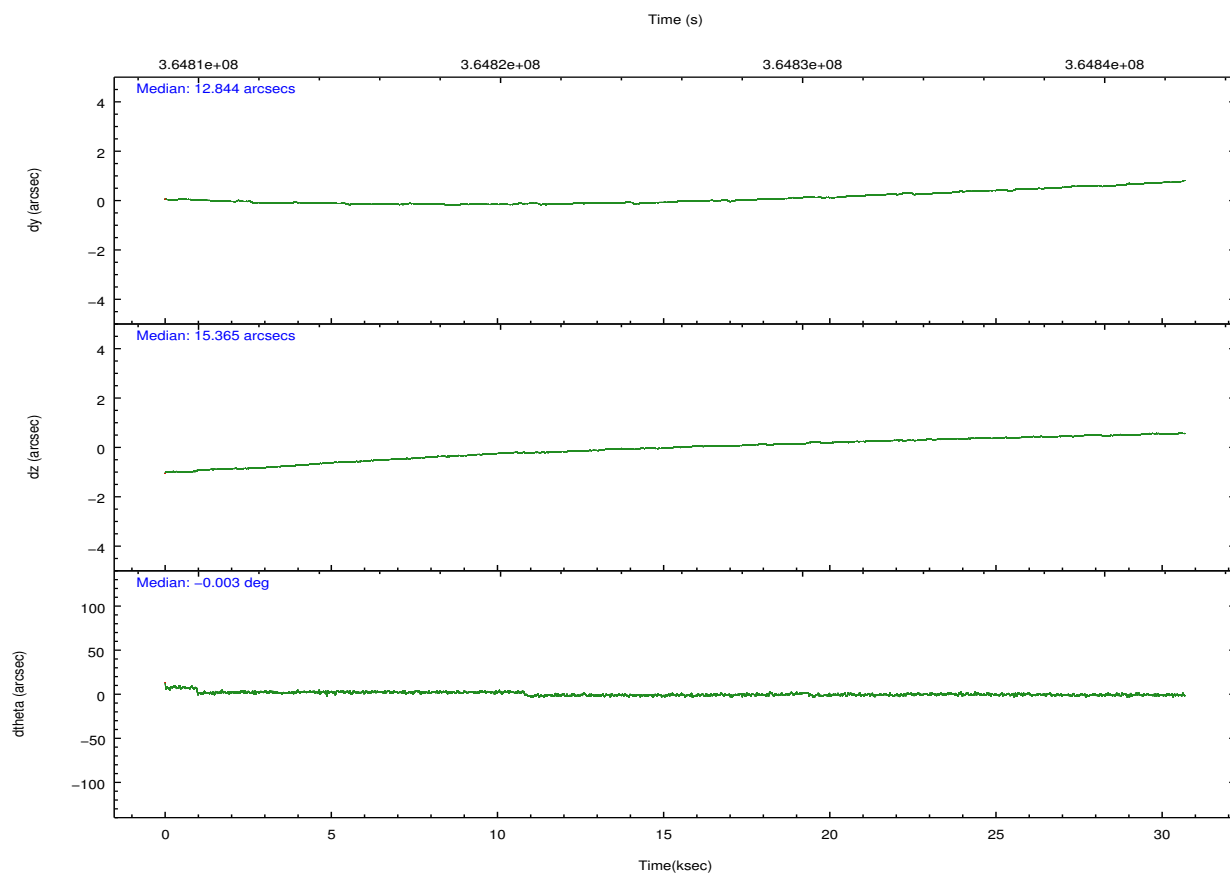
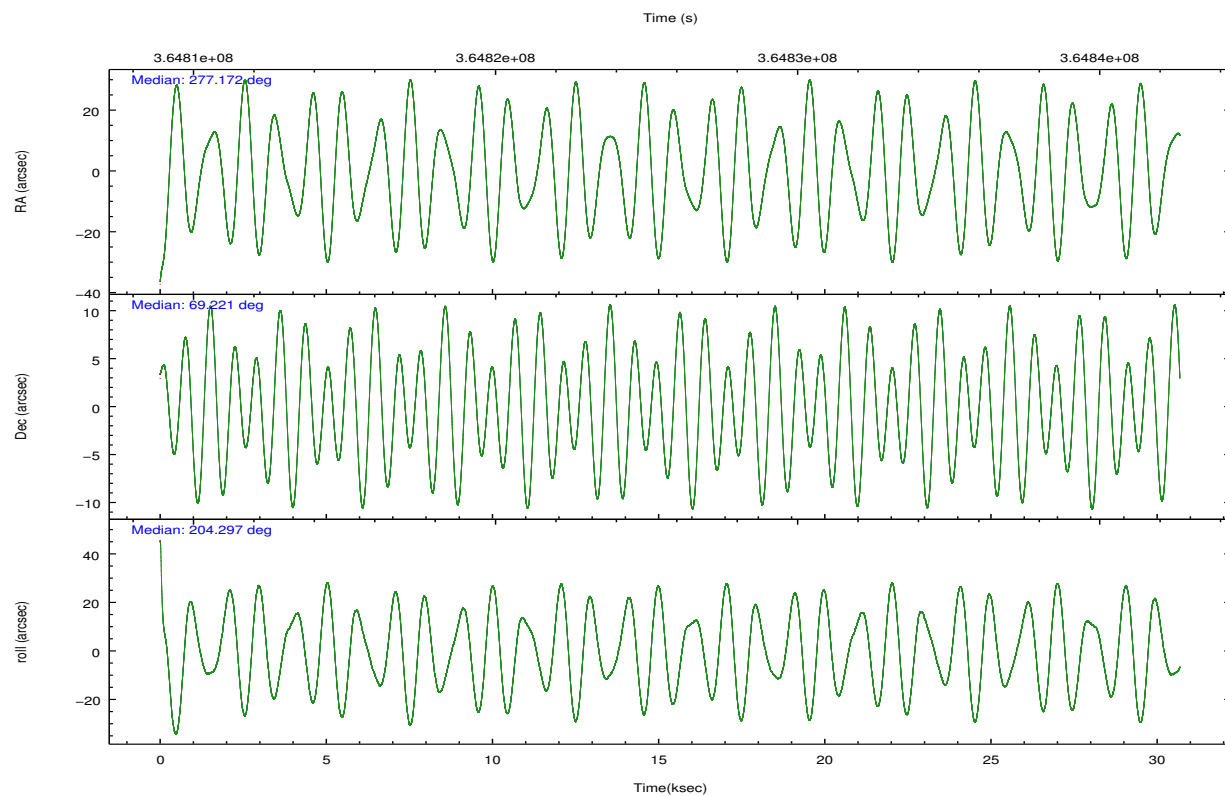
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	242514	251083	288506	272661	267369	grade 0 events	9515	10944	15120	13601	9484
rejected events	215296	220709	256007	241480	239863		3%	4%	5%	4%	3%
rejected %	88%	87%	88%	88%	89%	grade 1 events	148	171	222	175	116
							0%	0%	0%	0%	0%
						grade 2 events	6671	6984	6606	6351	6163
							2%	2%	2%	2%	2%
						grade 3 events	2982	3194	2852	2989	3022
							1%	1%	0%	1%	1%
						grade 4 events	2807	3160	2834	2923	2846
							1%	1%	0%	1%	1%
						grade 5 events	9517	10455	8885	11254	10871
							3%	4%	3%	4%	4%
						grade 6 events	5250	6097	5095	5327	5997
							2%	2%	1%	1%	2%
						grade 7 events	205624	210078	246892	230041	228870
							84%	83%	85%	84%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	277.217171	277.1721523313571	Subarray requested	NONE	NONE
[deg] Pointing Dec	69.243654	69.22126576900045	Alternating exposures requested	N	N
[deg] Pointing Roll	204.050563	204.3013504587465	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-227.592463	-227.5933067819097			
[mm] SIM translation stage offset	-6	-5.999146221020027			
[s] Observation start time (MET)	364810617.184000	364809643.48854			
Observation start date	2009-07-24T08:15:51	2009-07-24T08:00:43			
[s] Observation end time (MET)	364841117.184000	364841718.81515			
Observation end date	2009-07-24T16:44:11	2009-07-24T16:55:18			
Read mode	TIMED	TIMED			

2.3 Aspect



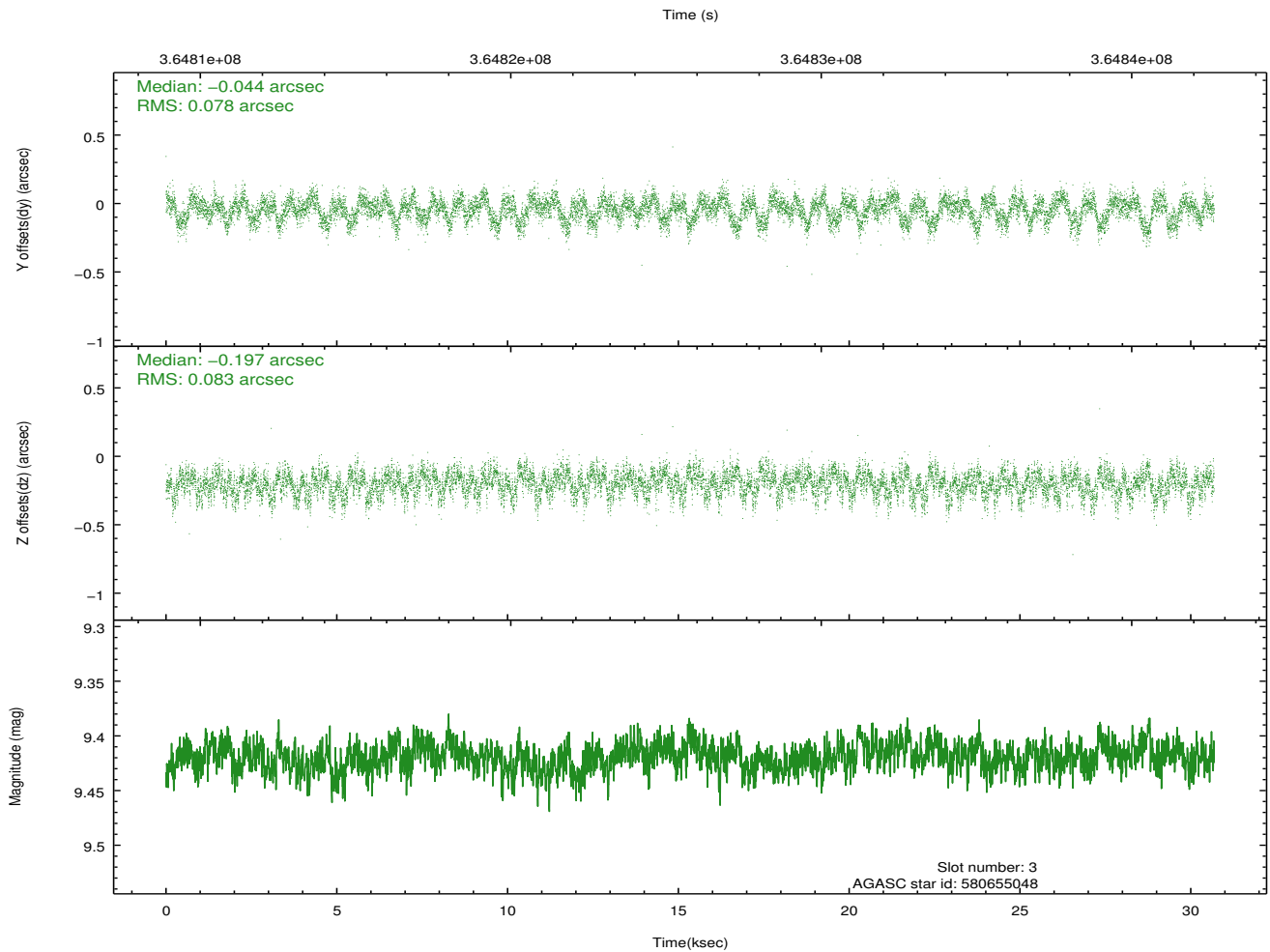
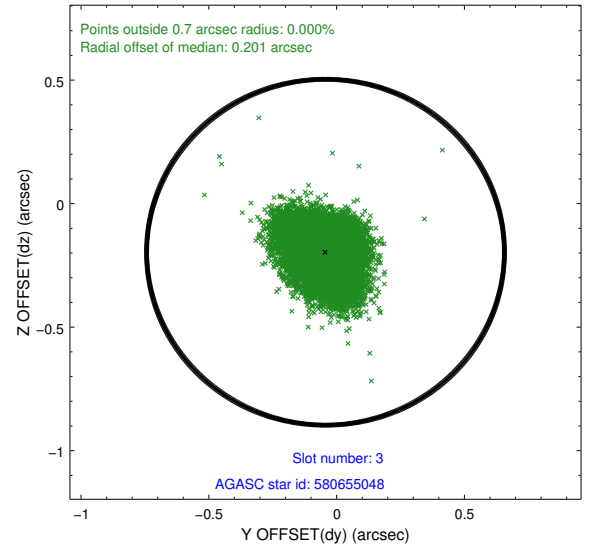
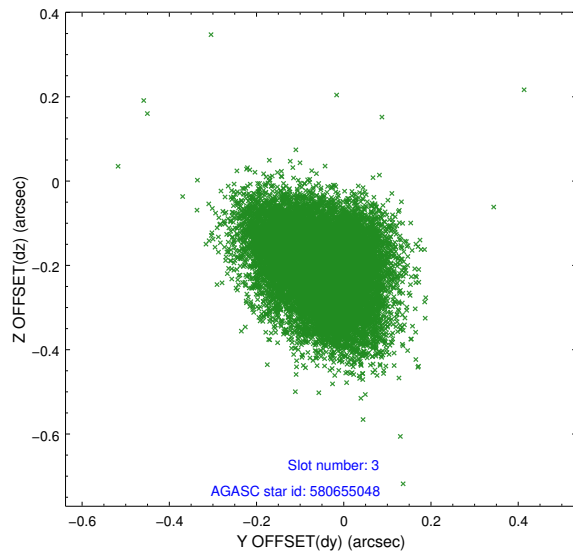


Slot Statistics

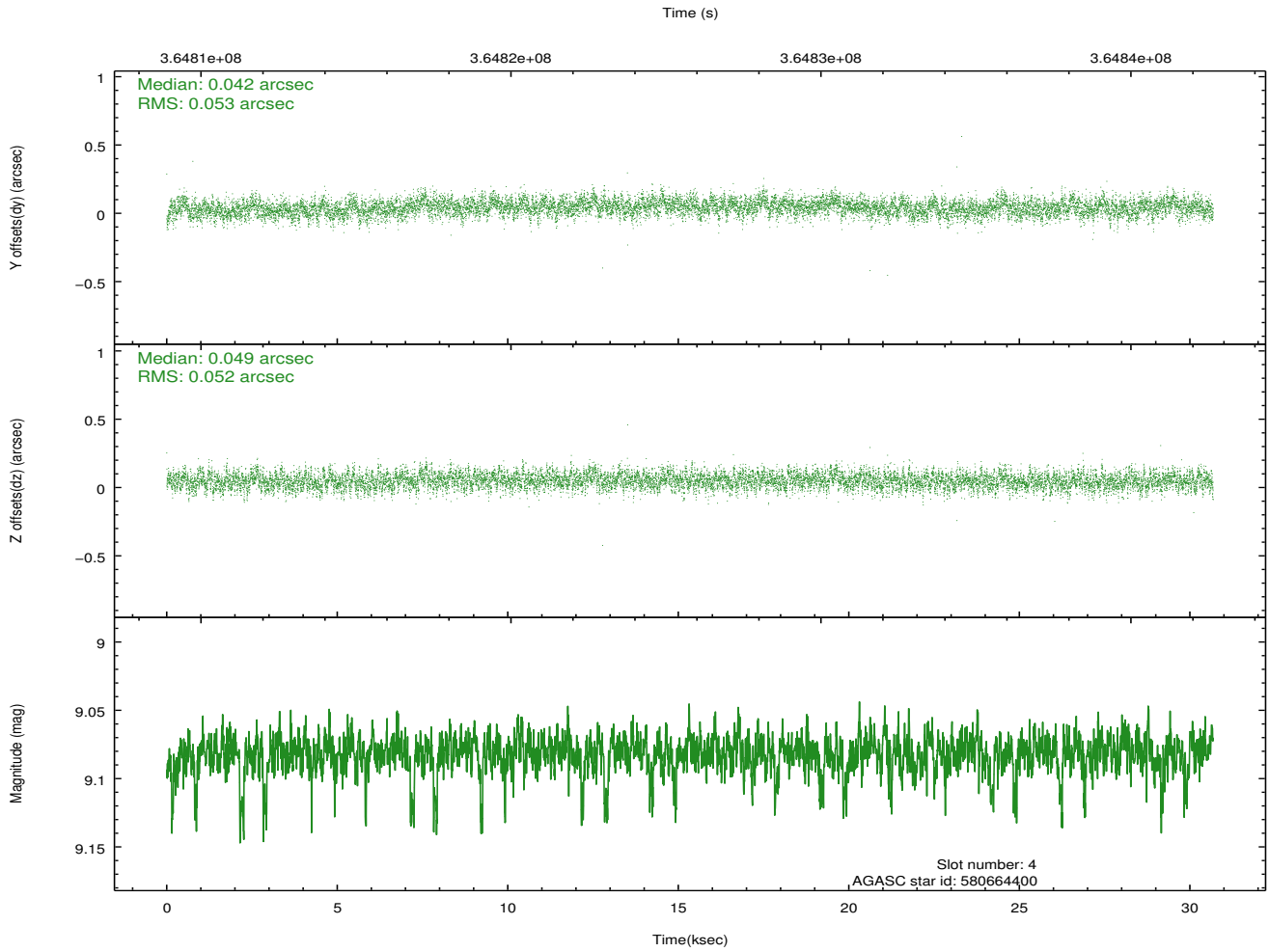
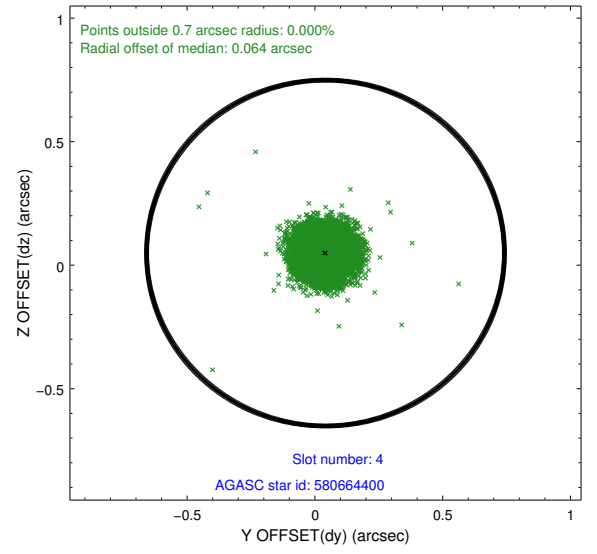
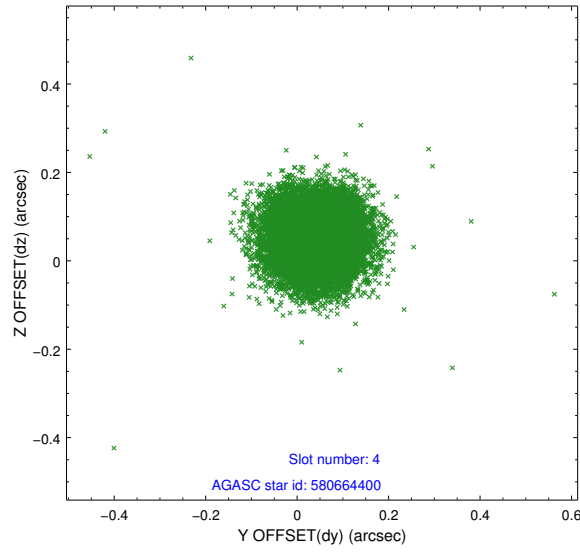
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.10	7485	0.047	-0.024	0.016	0.029	0.000000	0.000000	926.52	-962.03
1	FID	ACIS-I-2	7.03	7484	-0.207	-0.025	0.014	0.020	0.000000	0.000000	-768.10	-967.76
2	FID	ACIS-I-4	7.00	7483	0.063	0.112	0.013	0.019	0.000000	0.000000	2146.01	938.64
3	GUIDE	580655048	9.42	14947	-0.044	-0.197	0.121	0.195	278.255648	69.000054	-870.50	1336.34
4	GUIDE	580664400	9.08	14959	0.042	0.049	0.079	0.125	276.105004	69.097914	1513.53	-114.26
5	GUIDE	581186352	8.75	14962	0.026	-0.047	0.085	0.131	276.636498	69.716978	-33.62	-1854.76
6	GUIDE	581188256	9.24	14947	-0.018	0.023	0.098	0.155	277.950616	69.909989	-1807.70	-1826.02
7	GUIDE	581188576	8.99	14887	0.003	0.175	0.087	0.140	278.376686	69.487105	-1698.28	-216.83

2.4 Star Slots

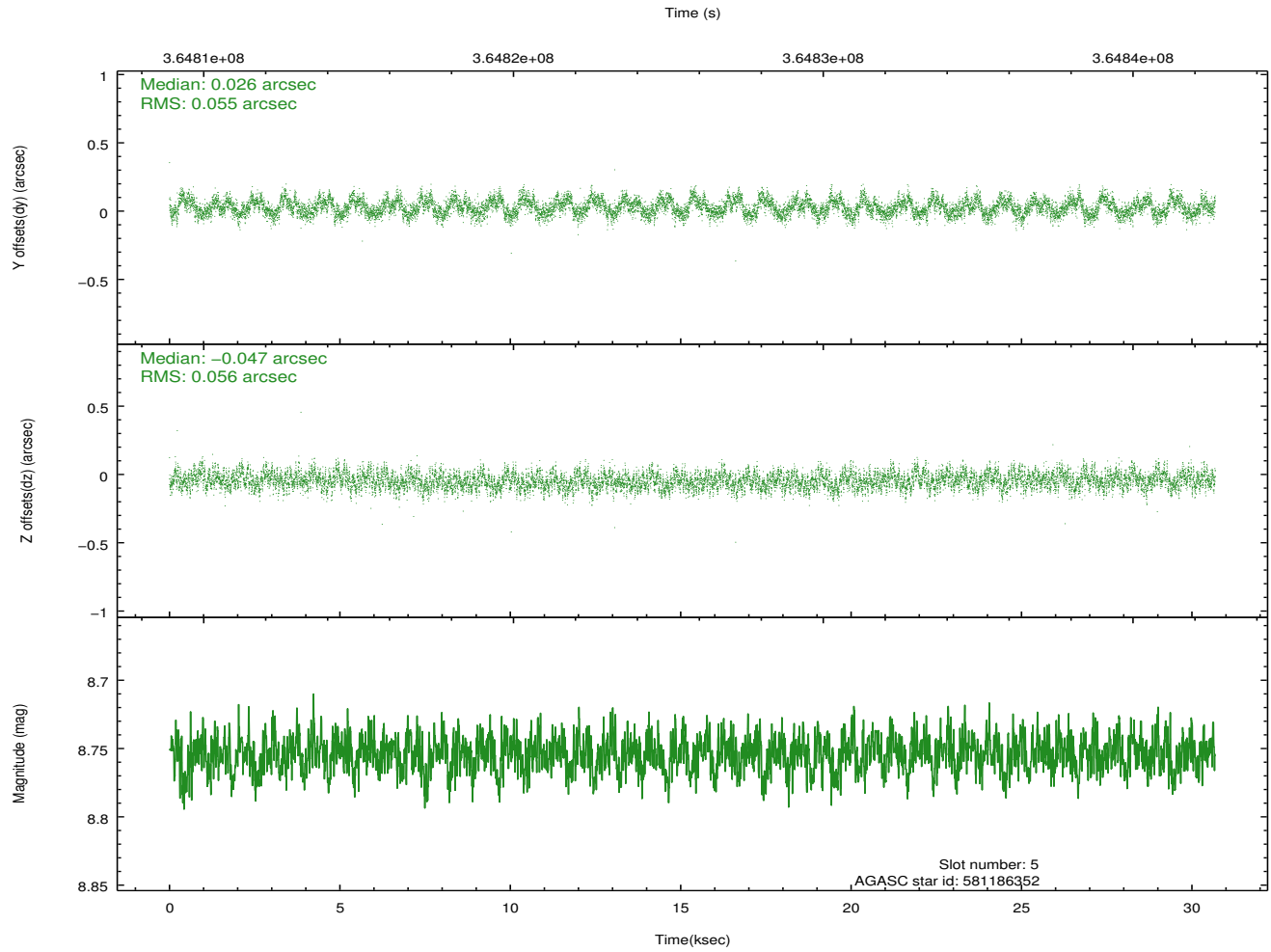
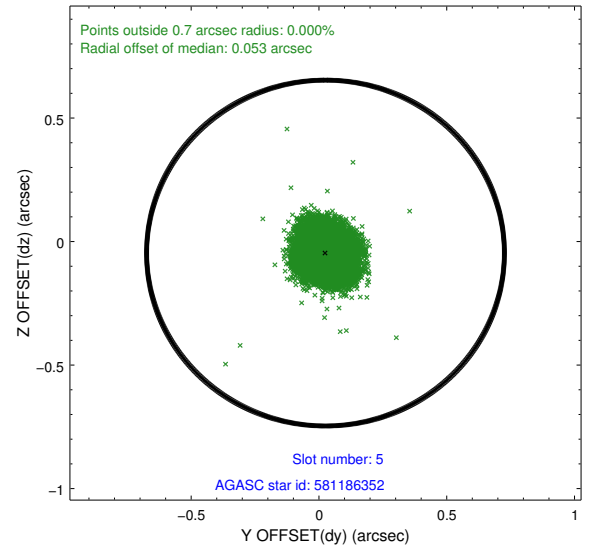
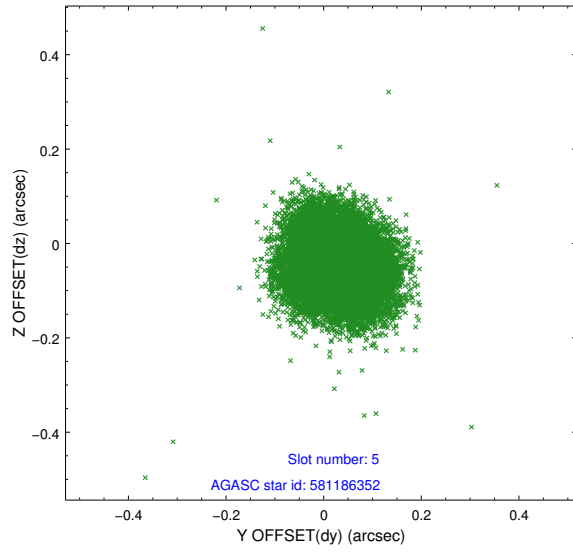
2.4.1 Slot 3



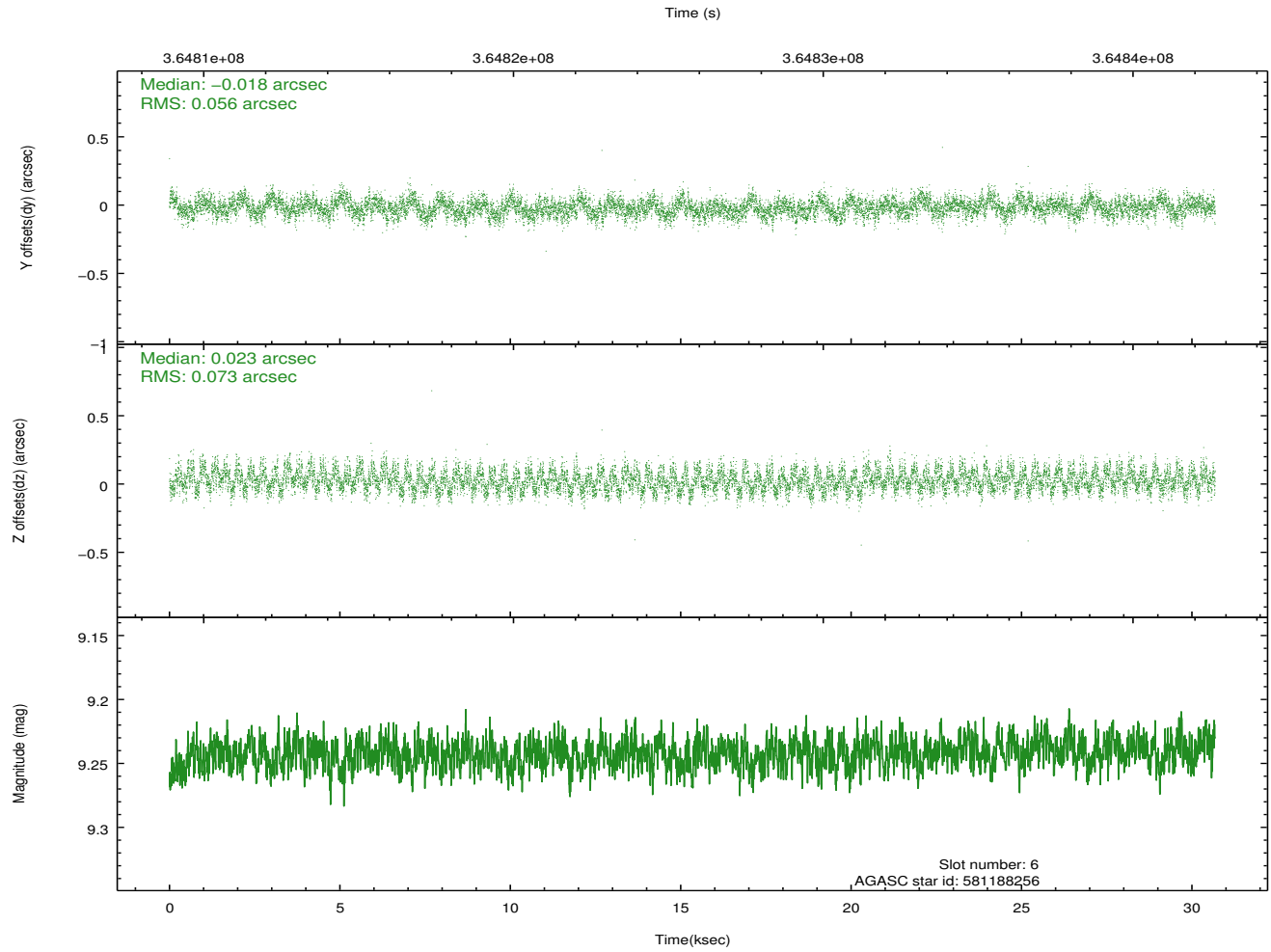
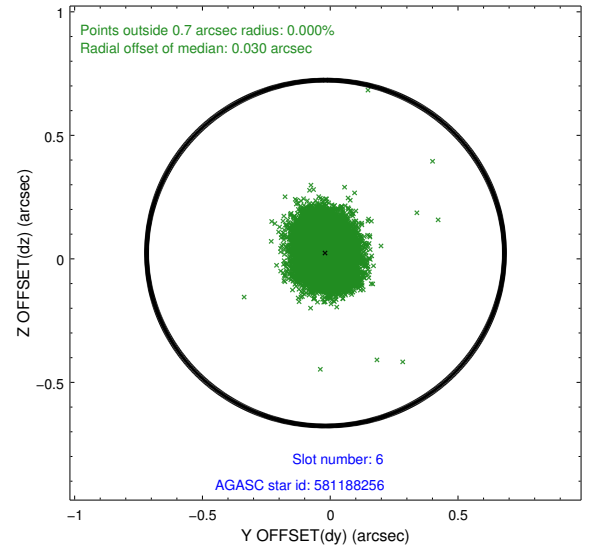
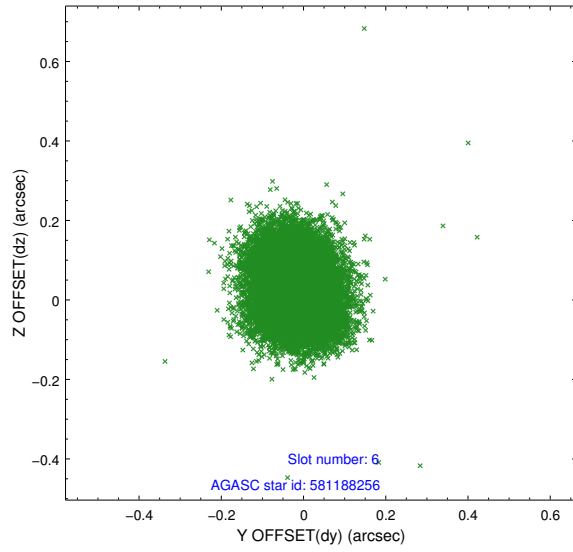
2.4.2 Slot 4



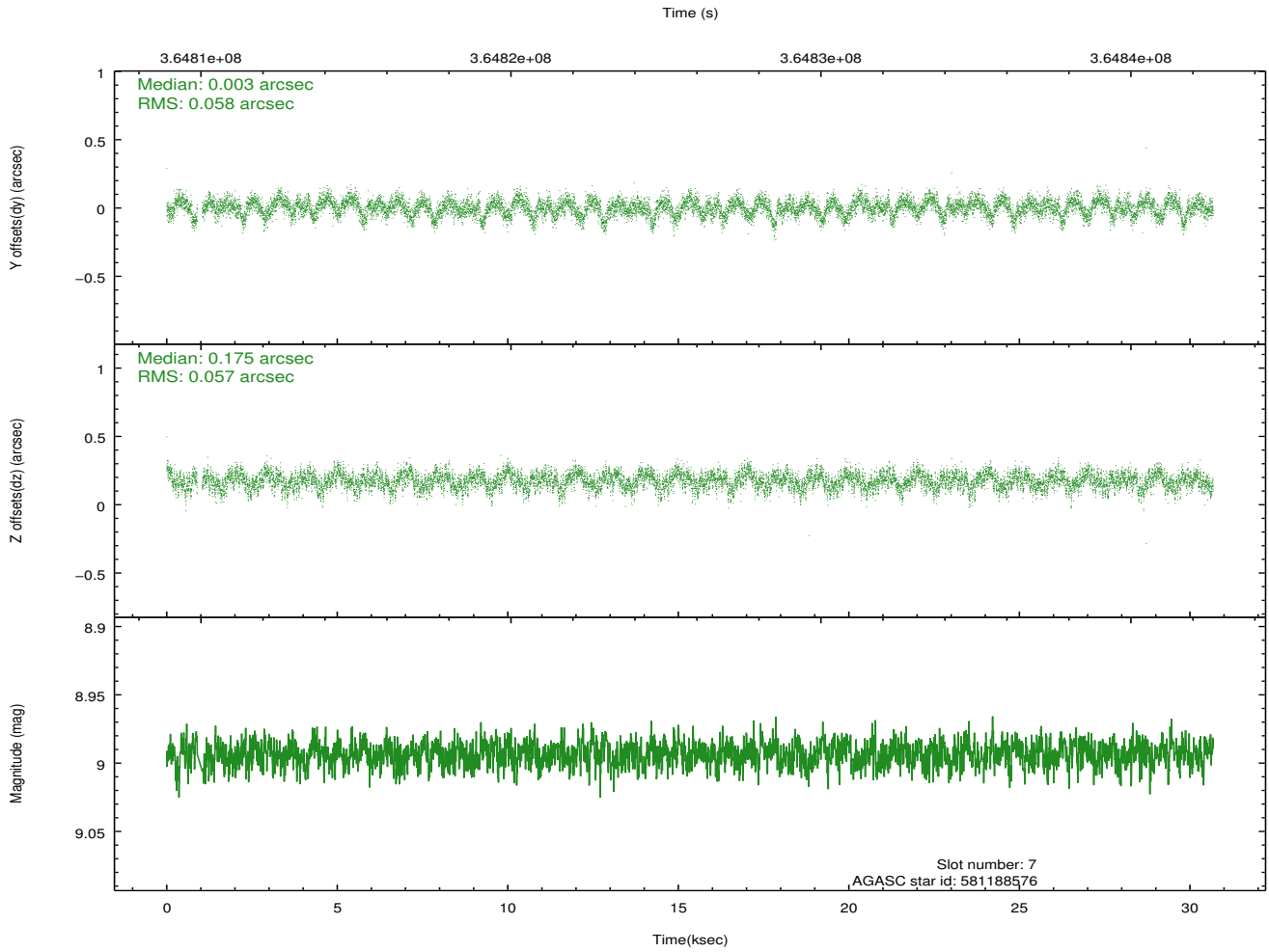
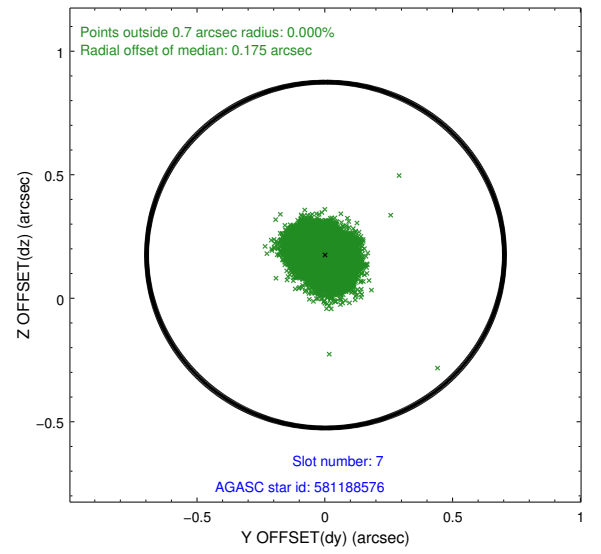
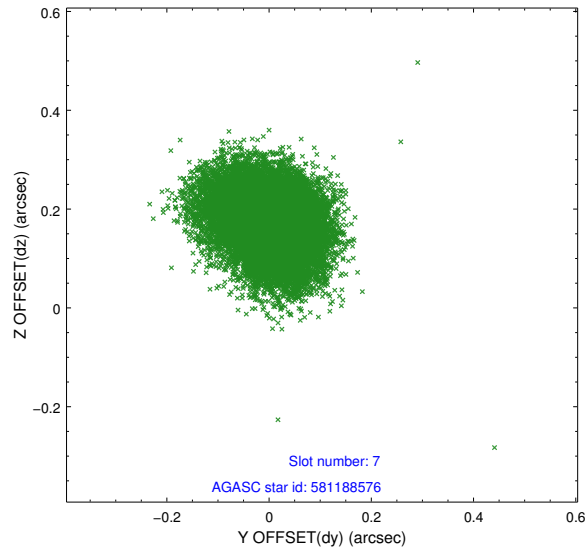
2.4.3 Slot 5



2.4.4 Slot 6

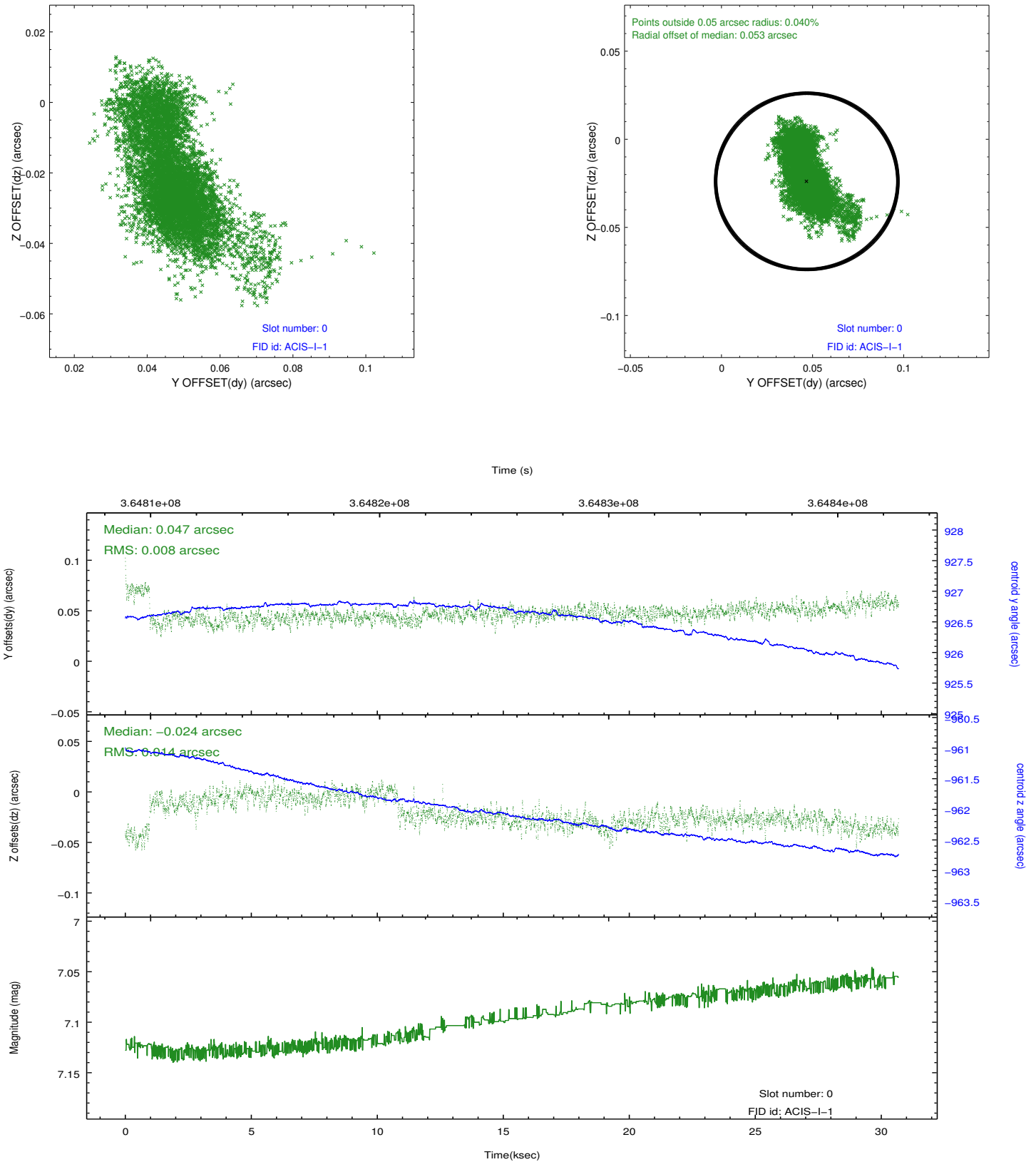


2.4.5 Slot 7

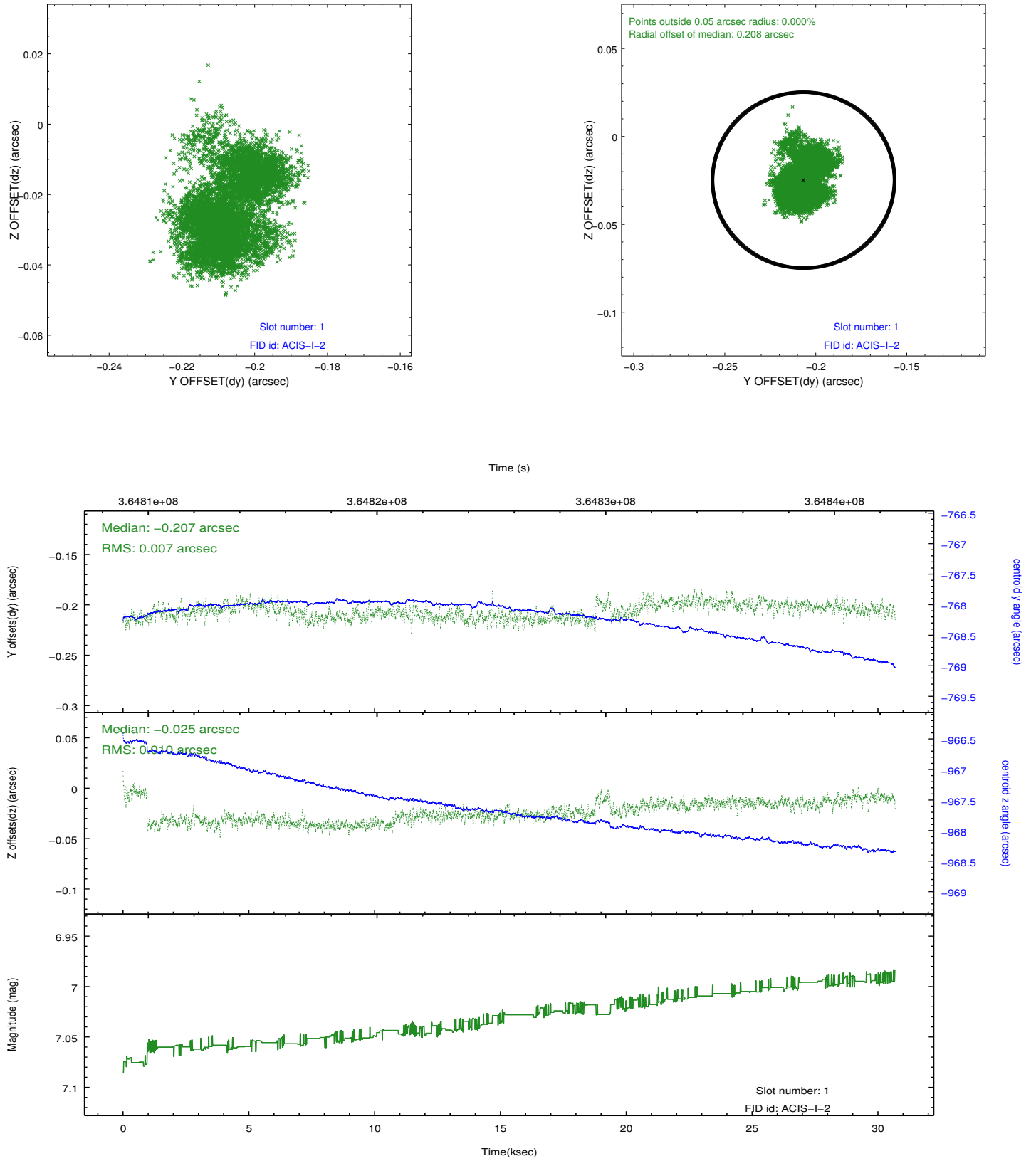


2.5 FID Slots

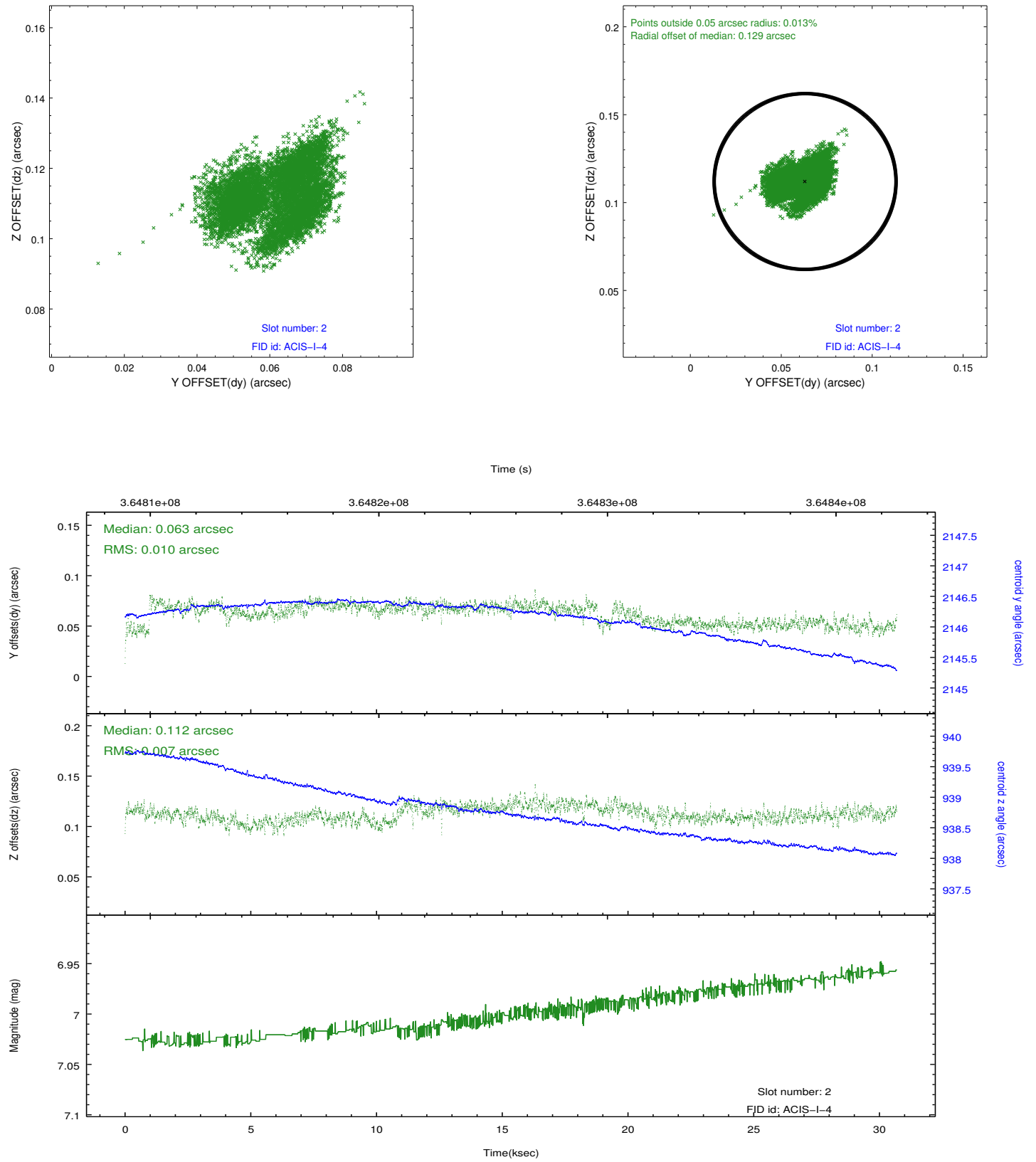
2.5.1 Slot 0



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	30.6248592

A.2 Comments