

V&V Reference Report

L2 ASCDS Version : 10.6.3

Observation 21120 - L2 Version 1
Chandra X-Ray Center

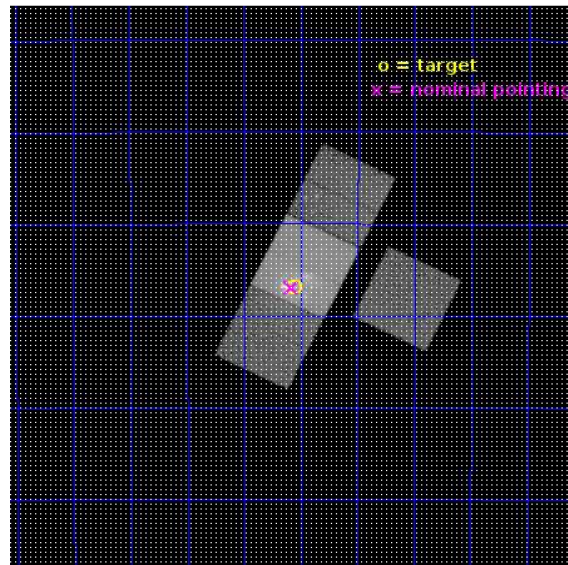
L2 Processing Date : Jul 5 2018

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

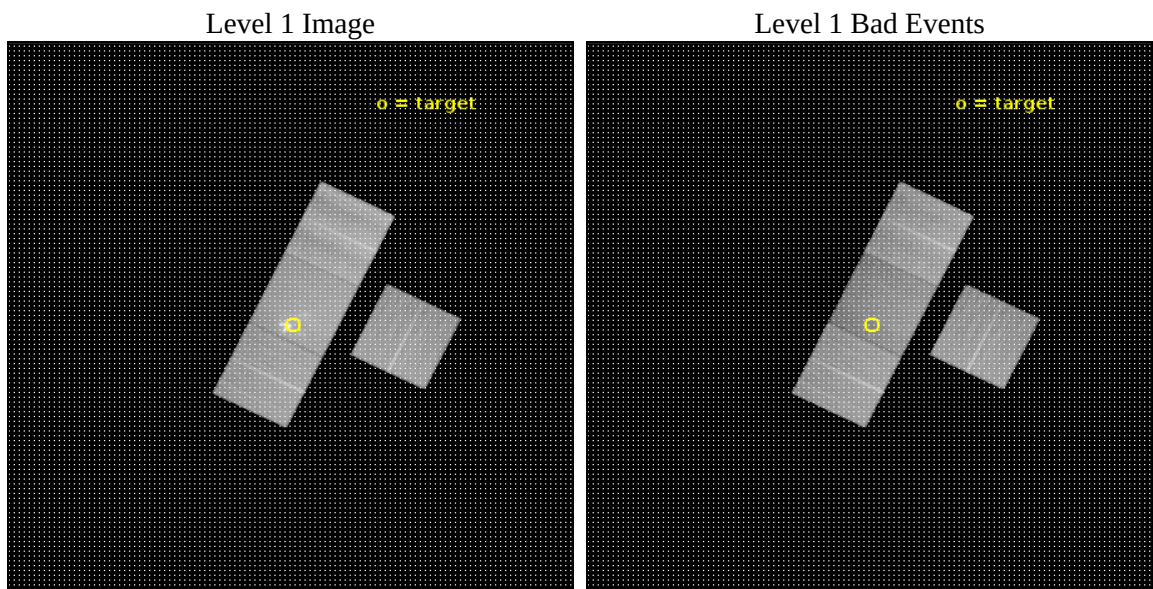
seq_num	503007	Sequence number
obs_id	21120	Observation id
title	The Peculiar, Asymmetric Core-Collapse Supernova Remnant G350.1-0.3	
observer	Stephen Reynolds	Principal investigator
object	G350.1-0.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.2625	Observer's specified target RA [deg]
dec_targ	-37.447222	Observer's specified target Dec [deg]
ra_nom	260.27070651539	Nominal RA [deg]
dec_nom	-37.449420193559	Nominal Dec [deg]
roll_nom	296.16162294024	Nominal Roll [deg]
revision	1	Processing version of data
ontime	38114.500293255	Sum of GTIs [s]
livetime	37616.506287437	Livetime [s]
ontime3	38114.500293255	Sum of GTIs [s]
ontime6	38114.500293255	Sum of GTIs [s]
ontime7	38114.500293255	Sum of GTIs [s]
ontime8	38111.359172583	Sum of GTIs [s]
l2events	271488	Number of level 2 events



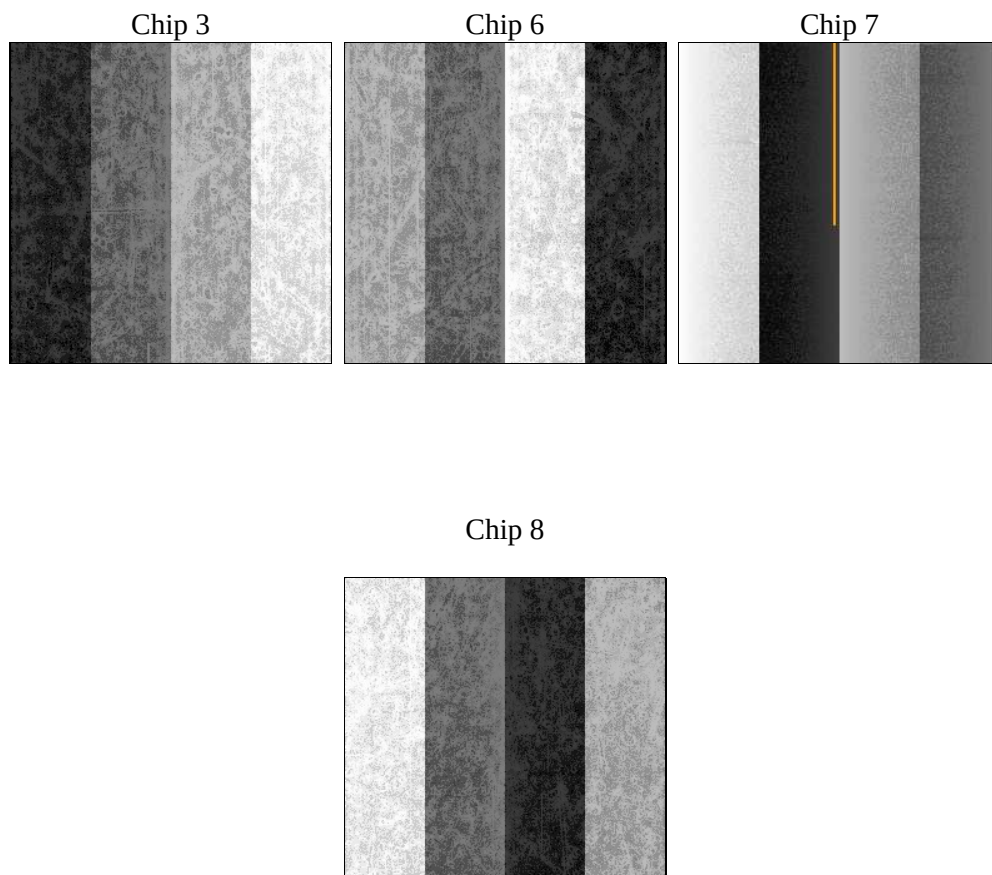
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38000.000000	[s] Scheduled observation exposure time
ascdsver	10.6.3	Processing system revision	ontime	38114.500293255	Sum of GTIs [s]
caldsver	4.7.8	 	ontime3	38114.500293255	Sum of GTIs [s]
date	2018-07-05T20:55:34	Date and time of file creation	ontime6	38114.500293255	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	38114.500293255	Sum of GTIs [s]
			ontime8	38111.359172583	Sum of GTIs [s]
			l1events	1204346	Number of level 1 events

2.1.4 Events

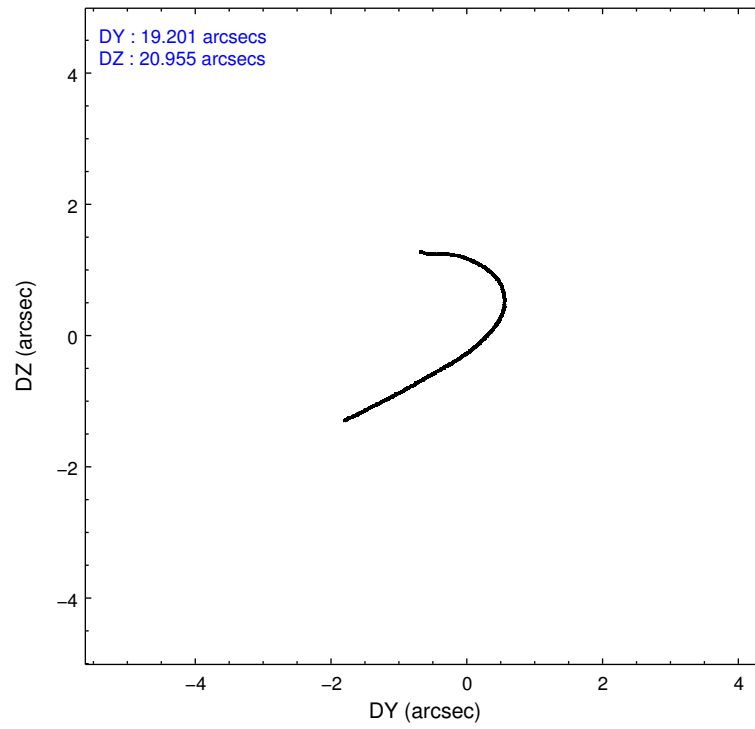
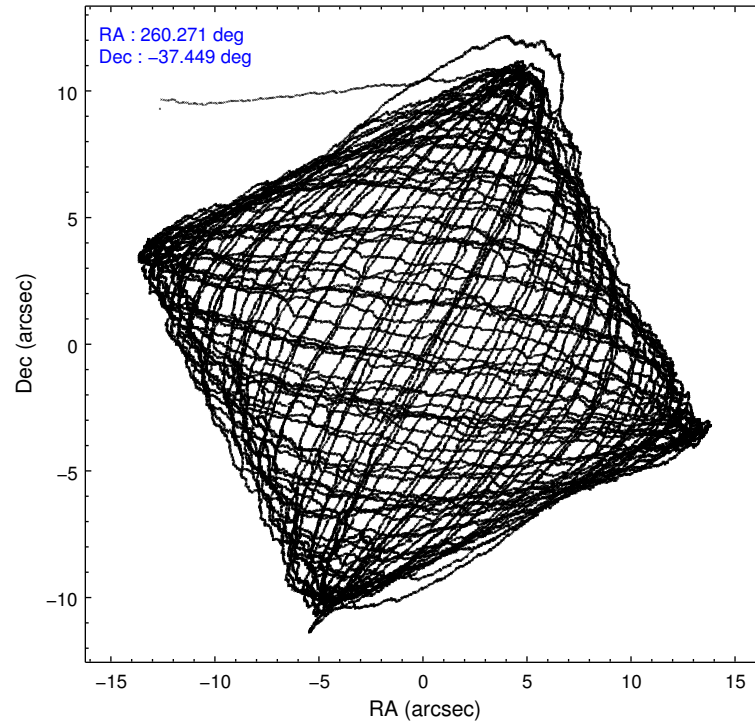
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	256989	274821	335992	336544
rejected events	229116	241768	145724	243311
rejected %	89%	87%	43%	72%

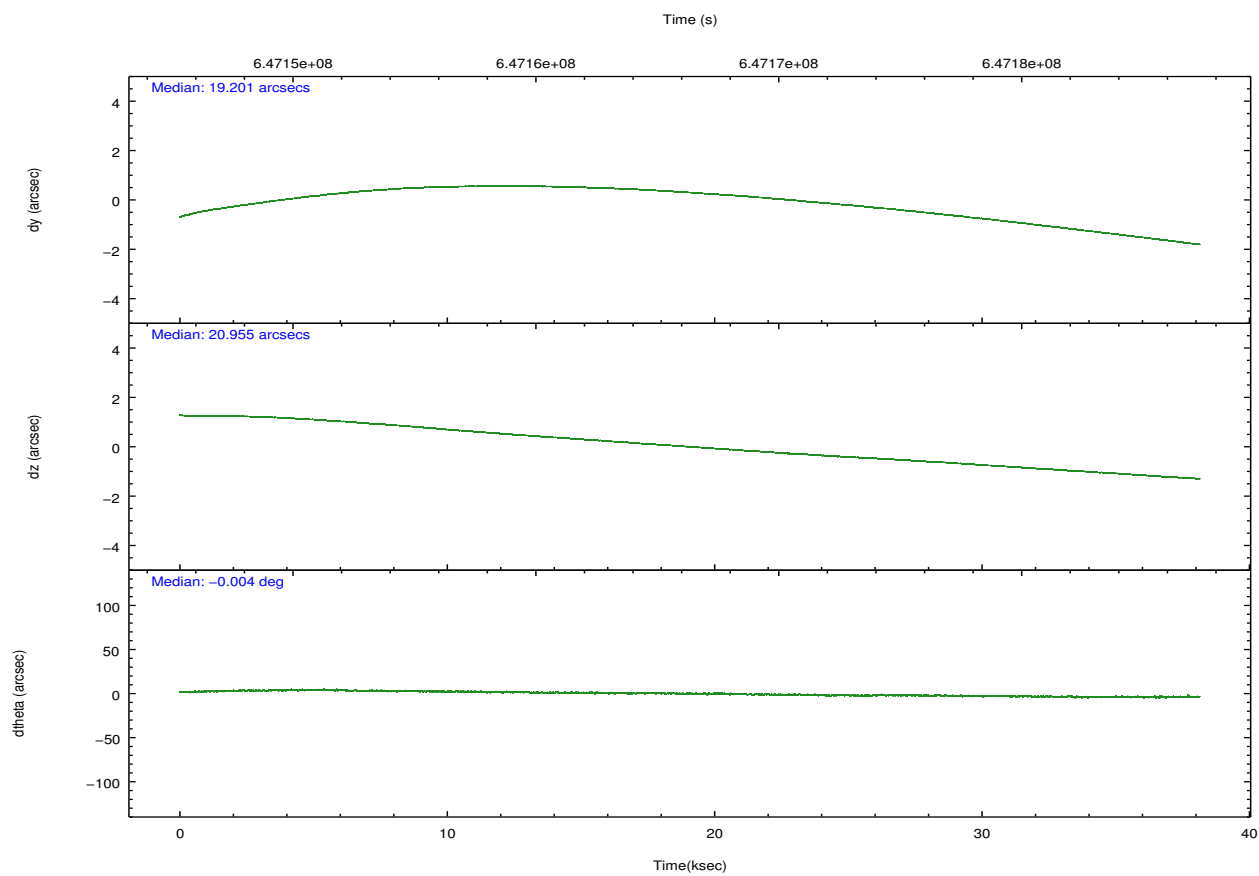
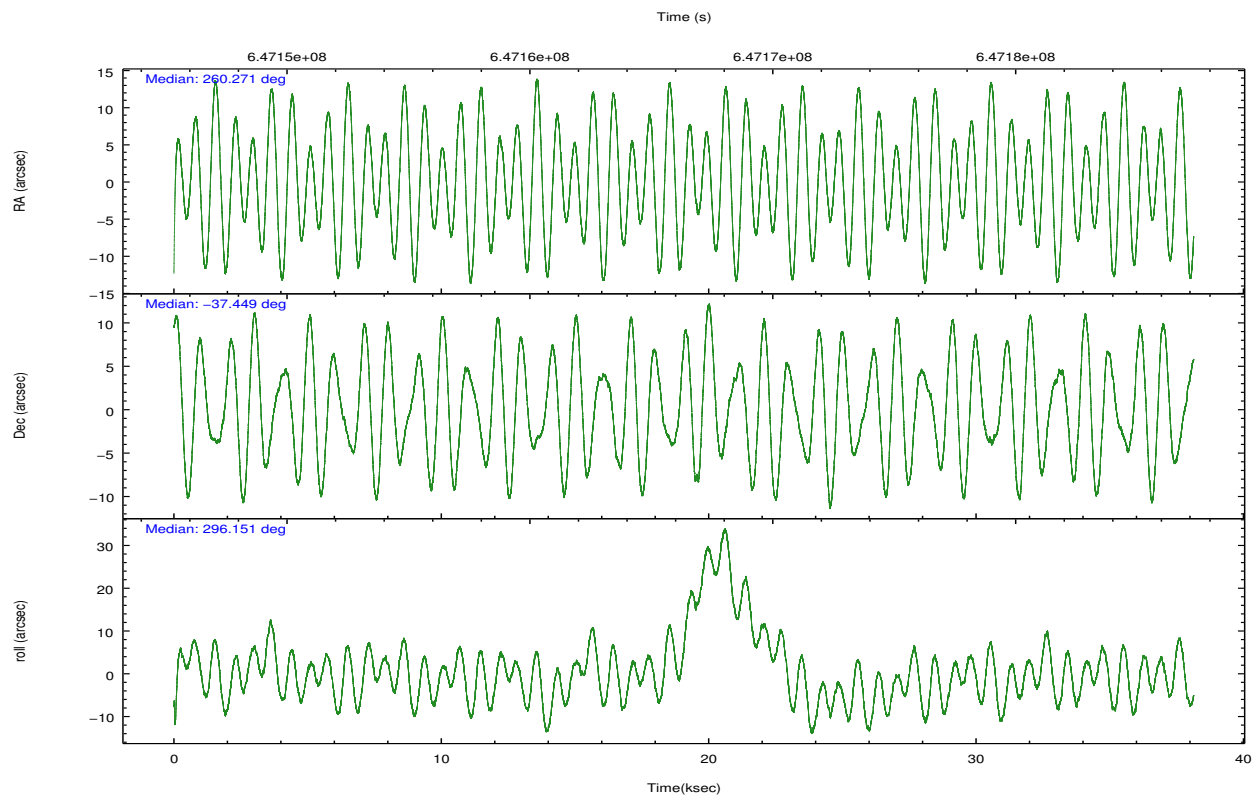
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	10777	12991	23742	22294
	4%	4%	7%	6%
grade 1 events	139	132	347	255
	0%	0%	0%	0%
grade 2 events	6024	7711	42637	24712
	2%	2%	12%	7%
grade 3 events	2849	2954	17670	10309
	1%	1%	5%	3%
grade 4 events	2899	2915	17590	9564
	1%	1%	5%	2%
grade 5 events	9876	10171	29101	16246
	3%	3%	8%	4%
grade 6 events	5328	6489	88663	26376
	2%	2%	26%	7%
grade 7 events	219097	231458	116242	226788
	85%	84%	34%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	260.241756	260.2707065153925	CCD I2 on	O1	N
[deg] Pointing Dec	-37.434445	-37.44942019355944	CCD I3 on	Y	Y
[deg] Pointing Roll	295.987386	296.1616229402414	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	Y	Y
[s] Observation start time (MET)	647147421.184000	647146289.88337	CCD S5 on	N	N
Observation start date	2018-07-05T03:09:12	2018-07-05T02:51:29	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	647185421.184000	647186267.44824	On-chip summing requested	N	N
Observation end date	2018-07-05T13:42:32	2018-07-05T13:57:47	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



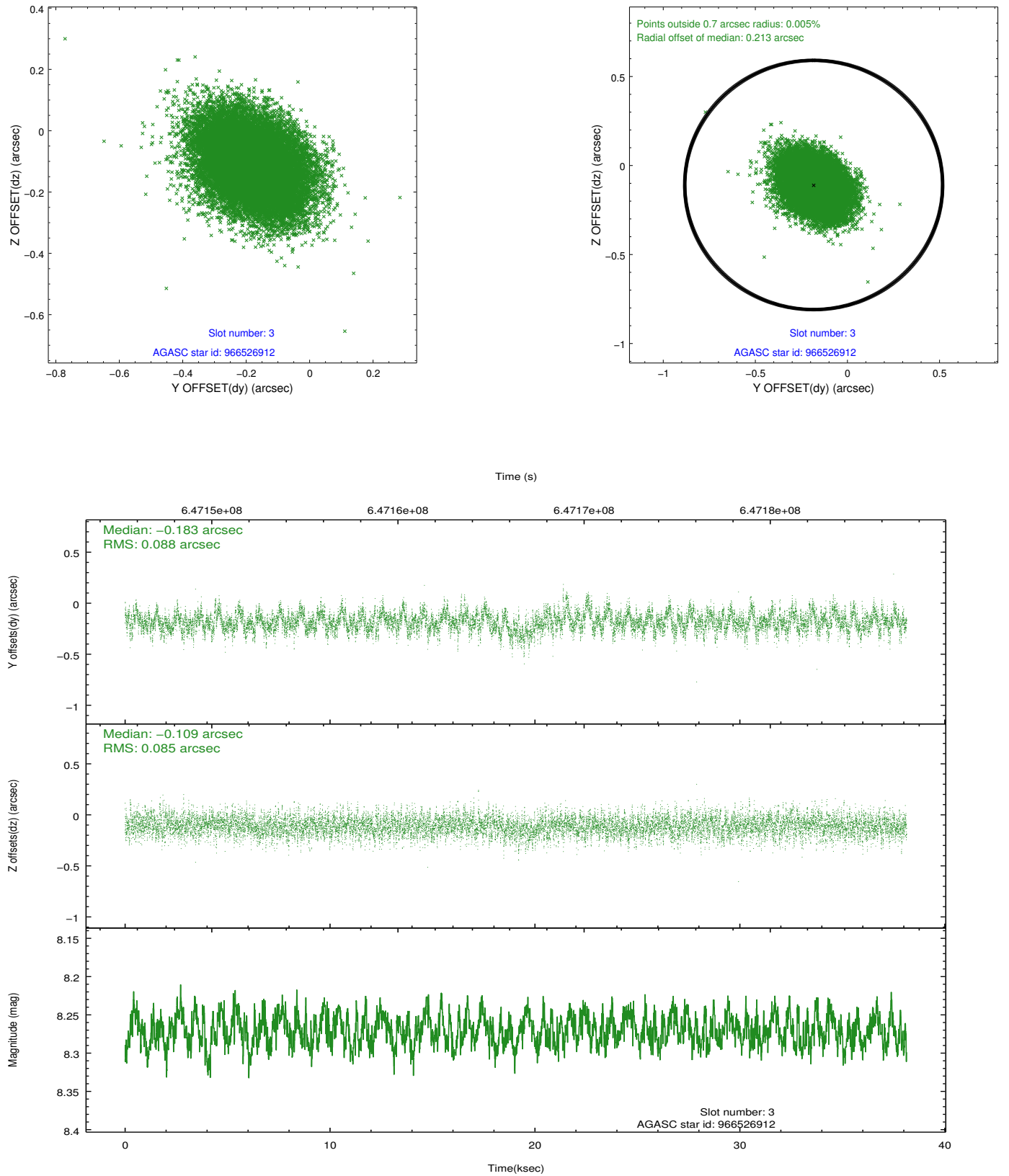


Slot Statistics

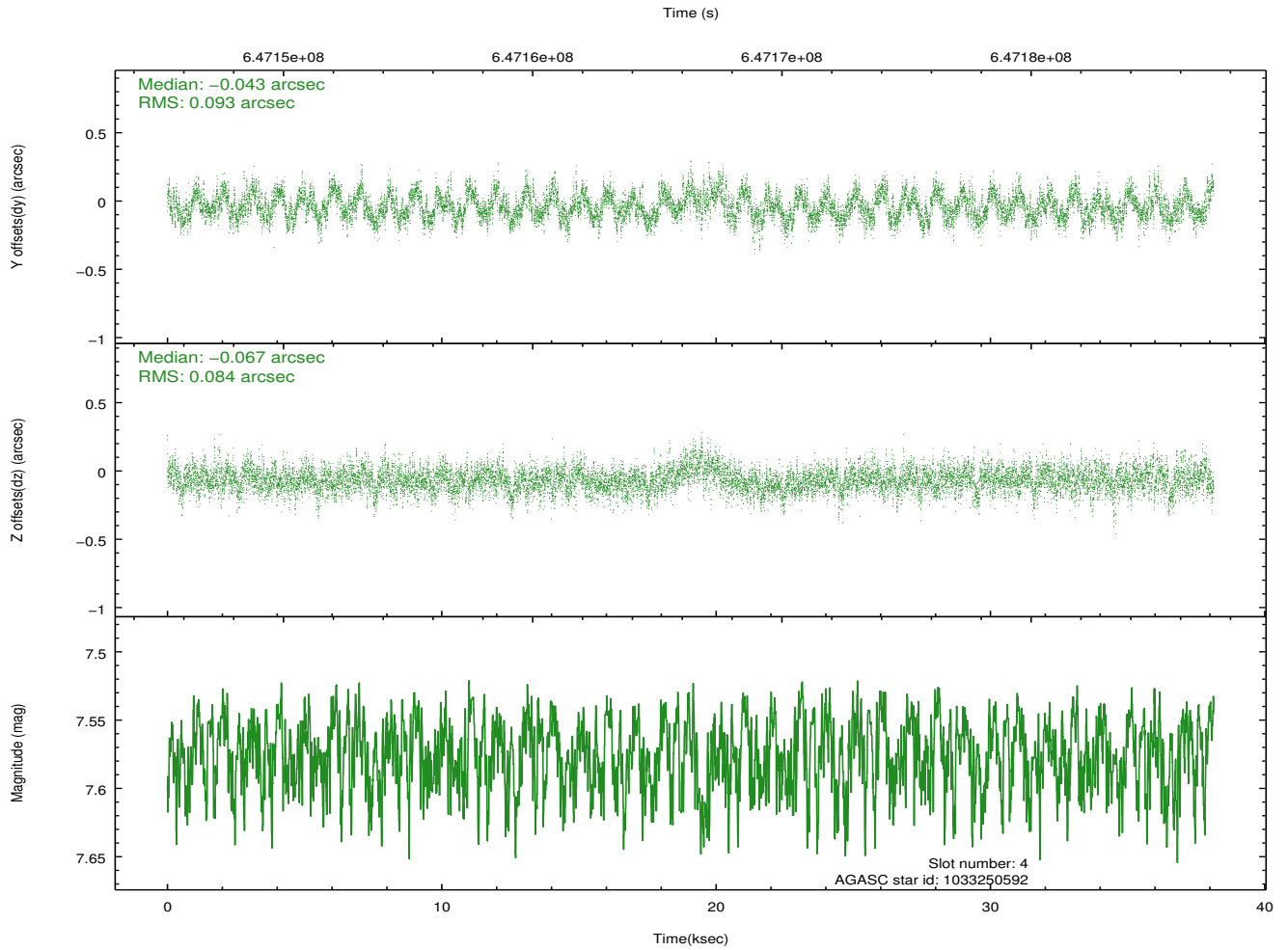
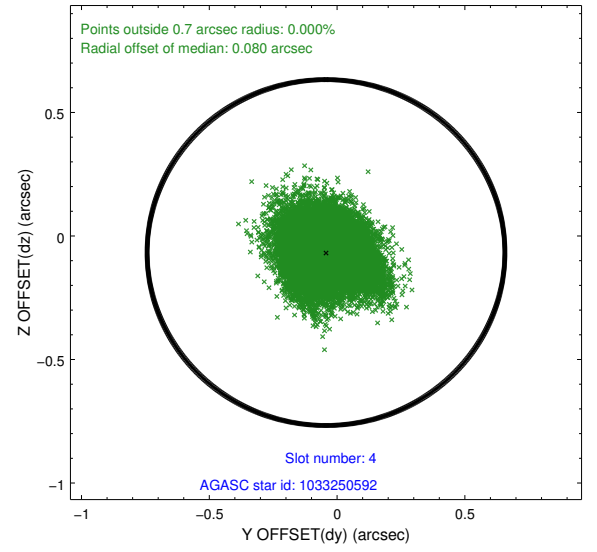
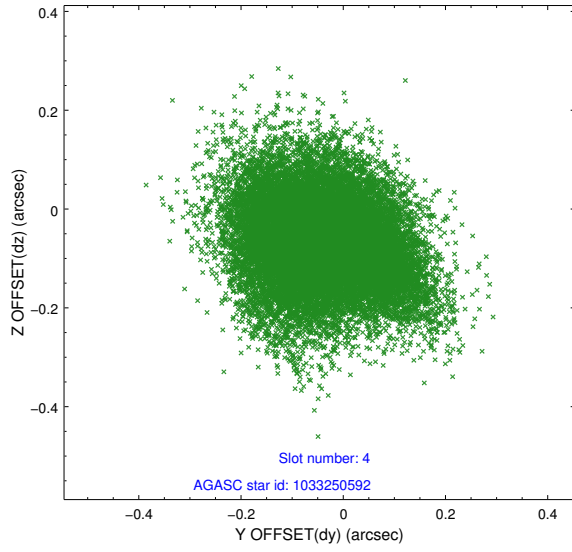
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.03	9303	1.000	-0.244	-0.127	0.027	0.038	0.000000	0.000000	-772.33	-1742
1	FID		ACIS-S-4	7.14	9303	1.000	0.546	0.153	0.021	0.046	0.000000	0.000000	2141.71	166
2	FID		ACIS-S-5	7.13	9300	1.000	-0.329	-0.020	0.021	0.032	0.000000	0.000000	-1825.24	159
3	GUIDE	used	966526912	8.27	18591	1.000	-0.183	-0.109	0.129	0.215	260.589606	-37.083992	-694.69	1450
4	GUIDE	used	1033250592	7.57	18602	1.000	-0.043	-0.067	0.133	0.215	260.179016	-38.020595	1819.44	-1084
5	GUIDE	used	966526680	8.97	18585	1.000	0.302	0.440	0.133	0.220	259.712281	-37.092655	-1767.45	-829
6	GUIDE	used	966526152	8.62	18590	1.000	-0.080	-0.303	0.140	0.240	260.874678	-37.077581	-352.95	2194
7	GUIDE	used	1031544424	8.46	18584	1.000	0.005	0.040	0.142	0.237	259.780458	-38.098548	1580.32	-2223

2.4 Star Slots

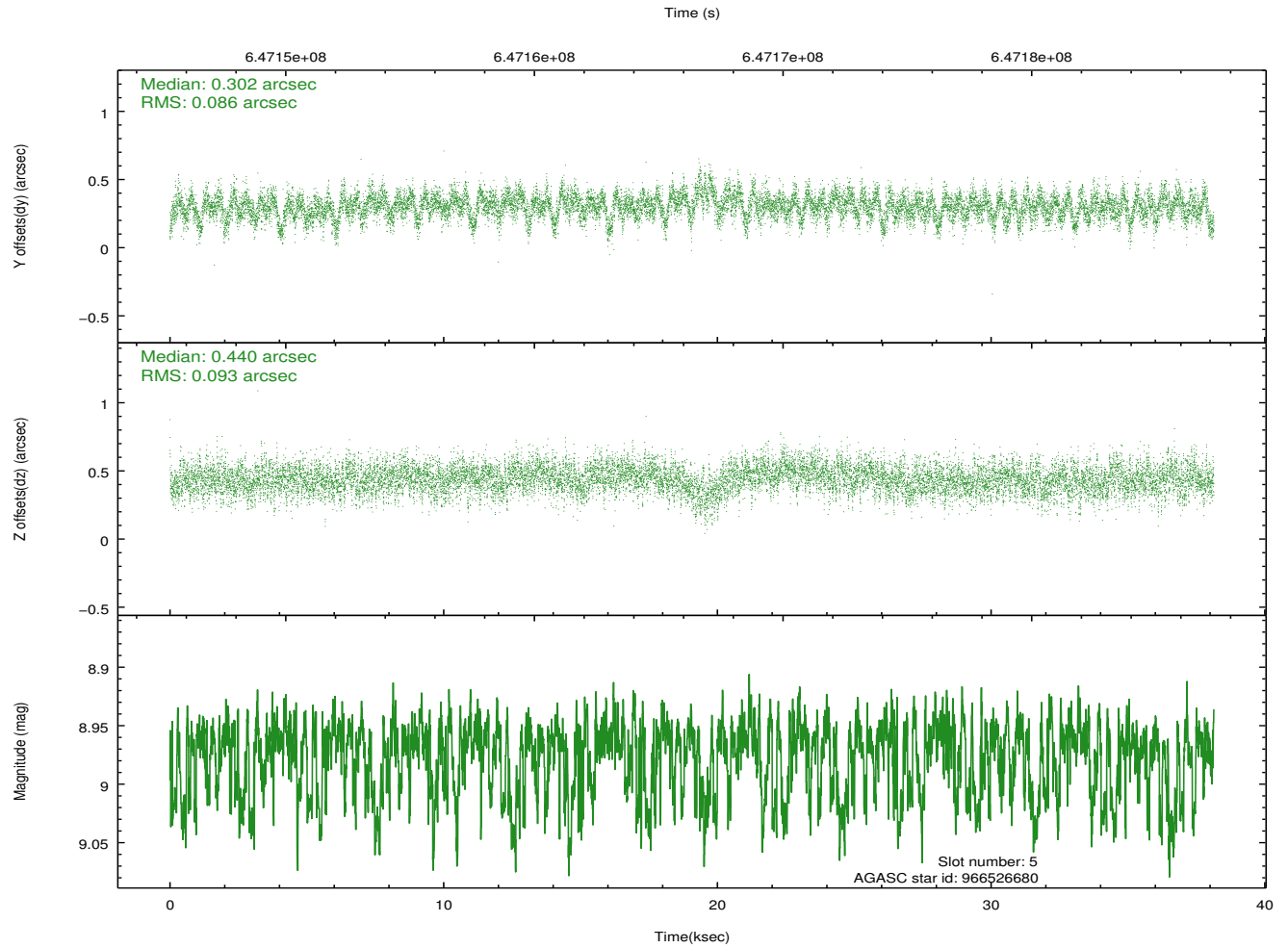
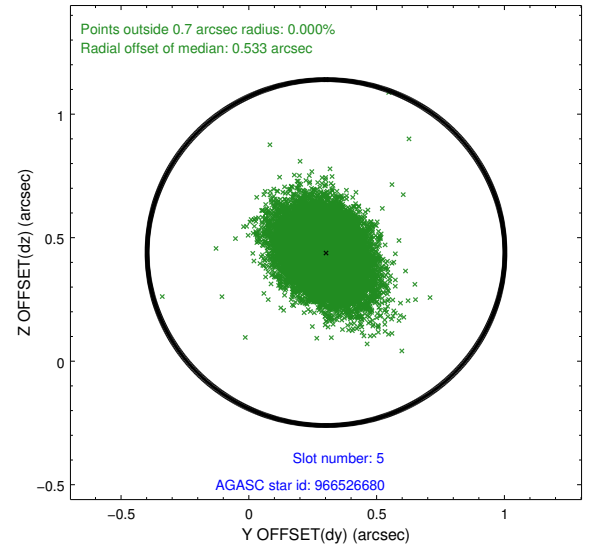
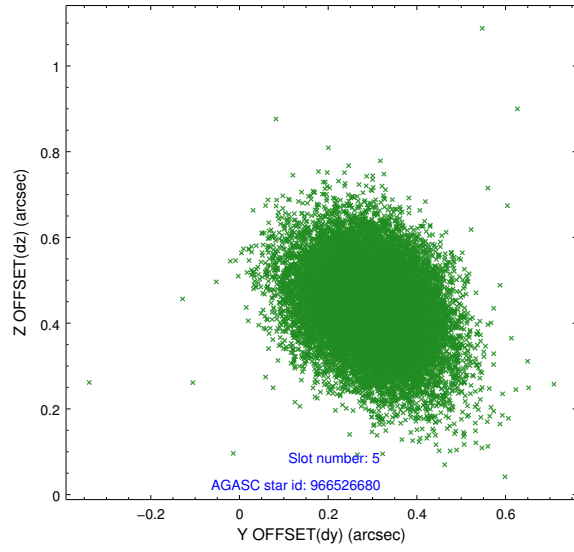
2.4.1 Slot 3



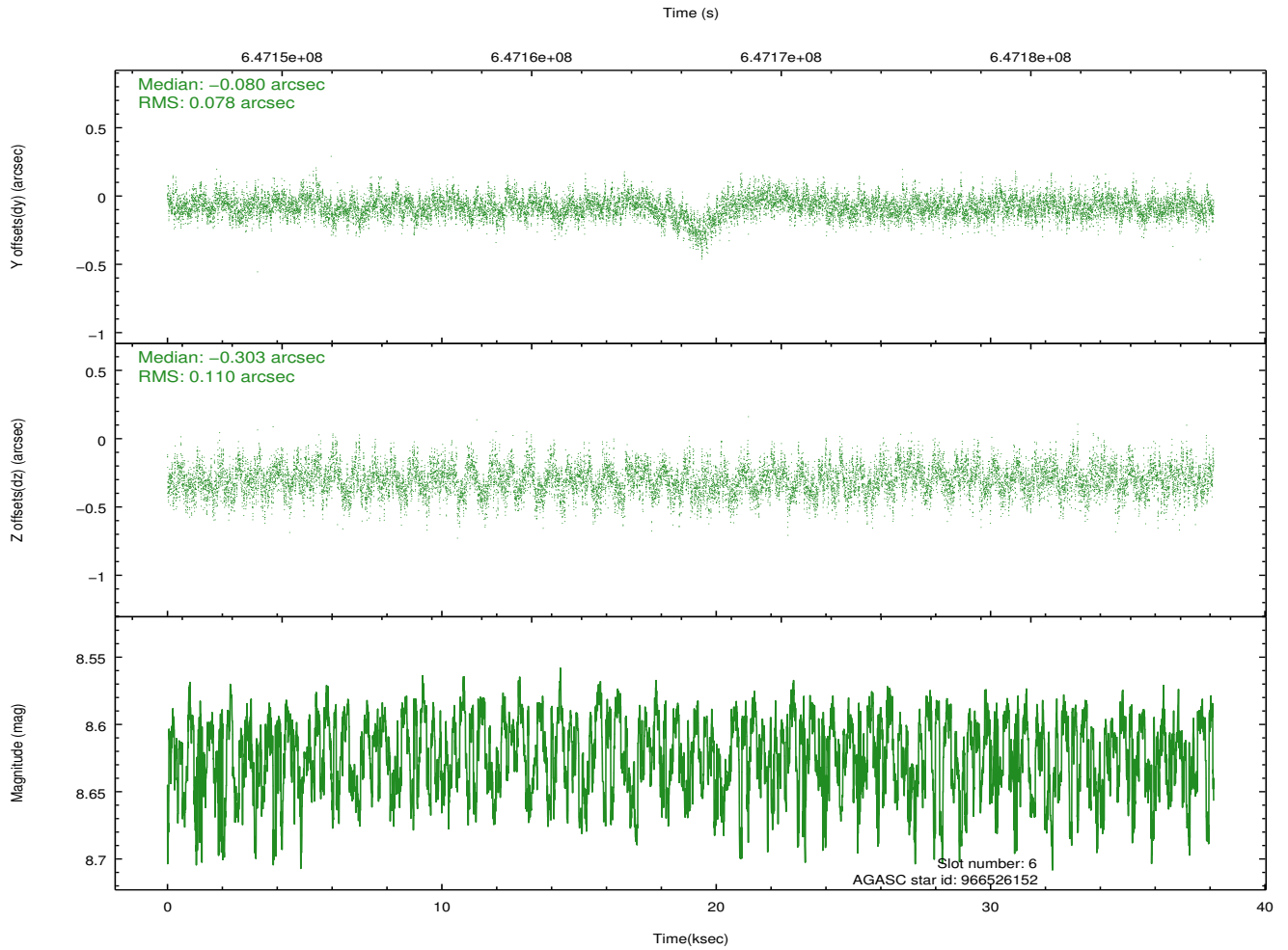
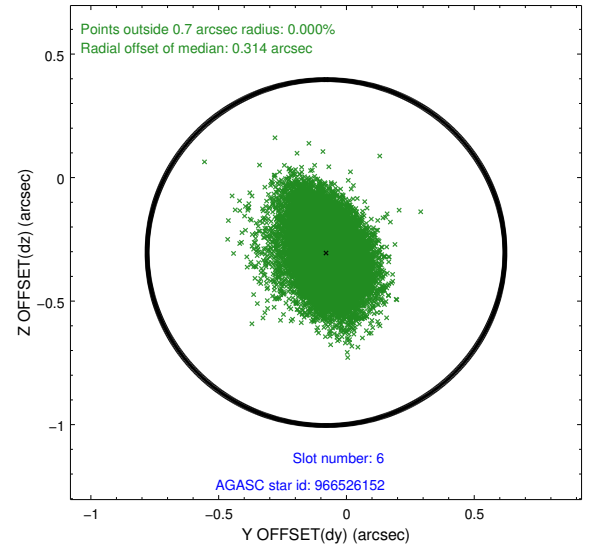
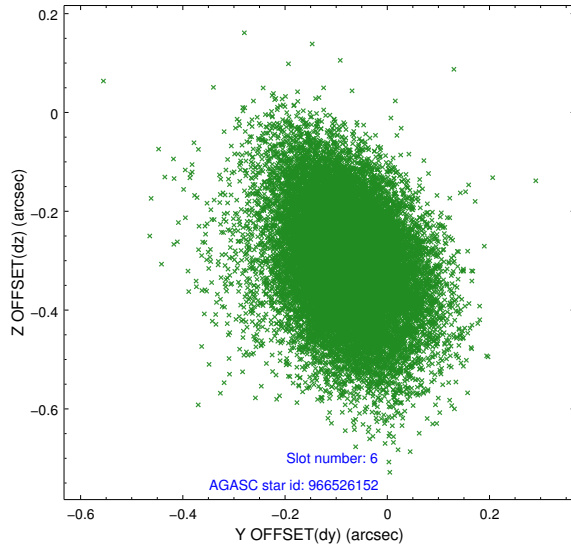
2.4.2 Slot 4



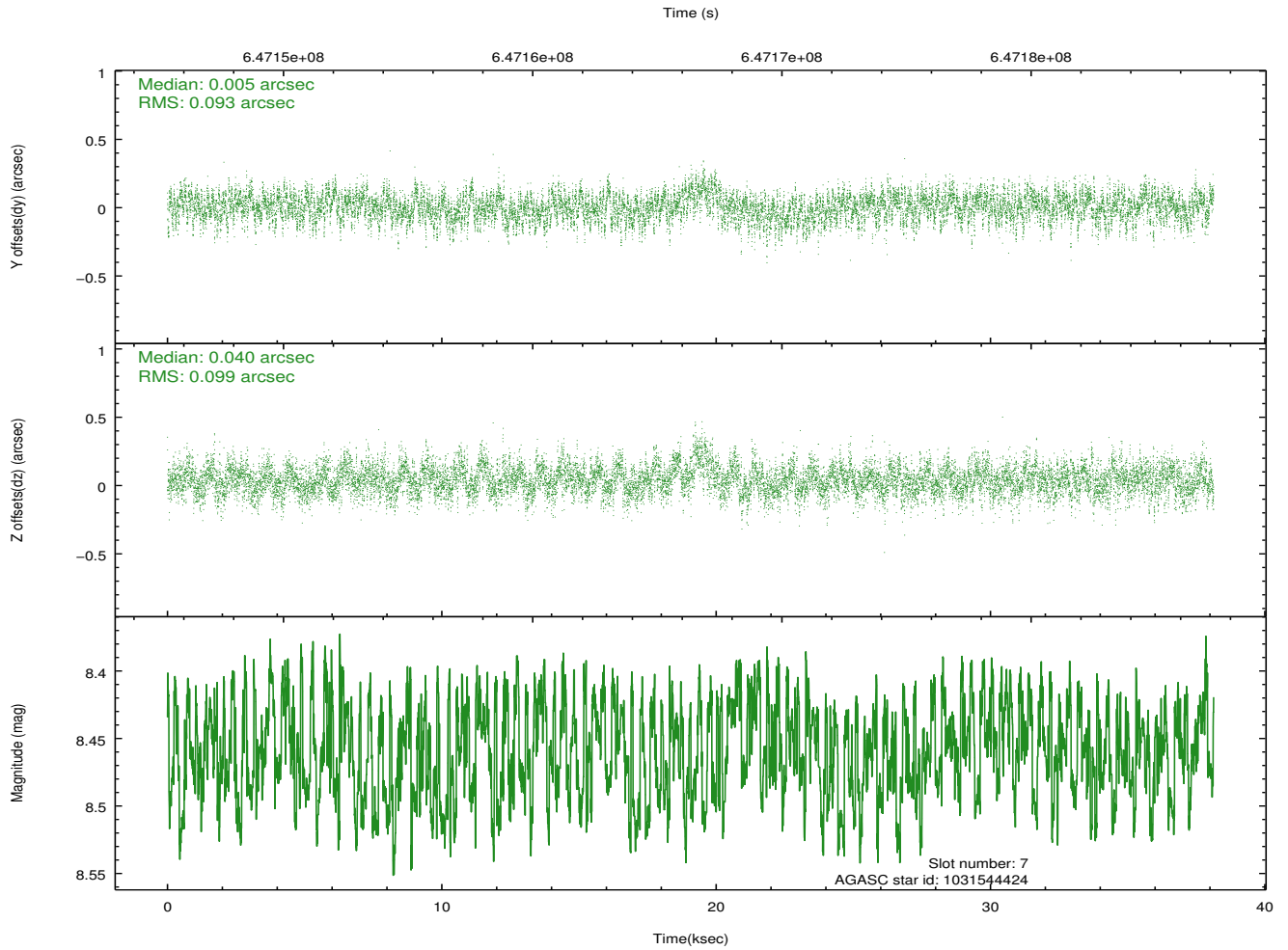
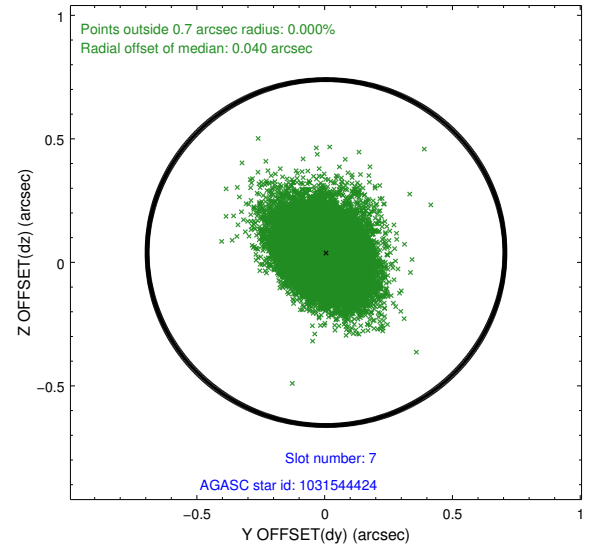
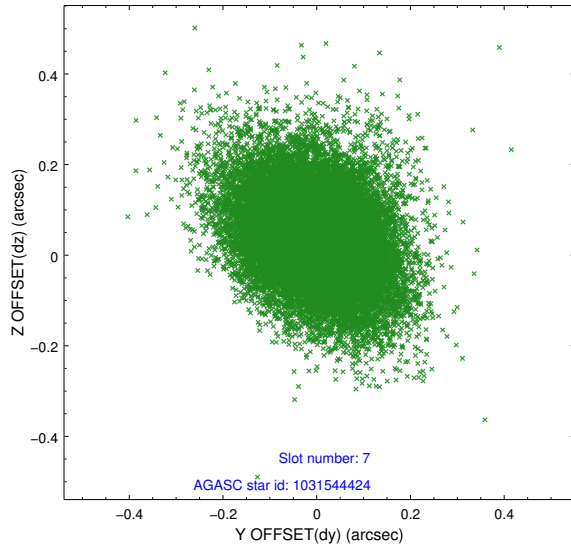
2.4.3 Slot 5



2.4.4 Slot 6

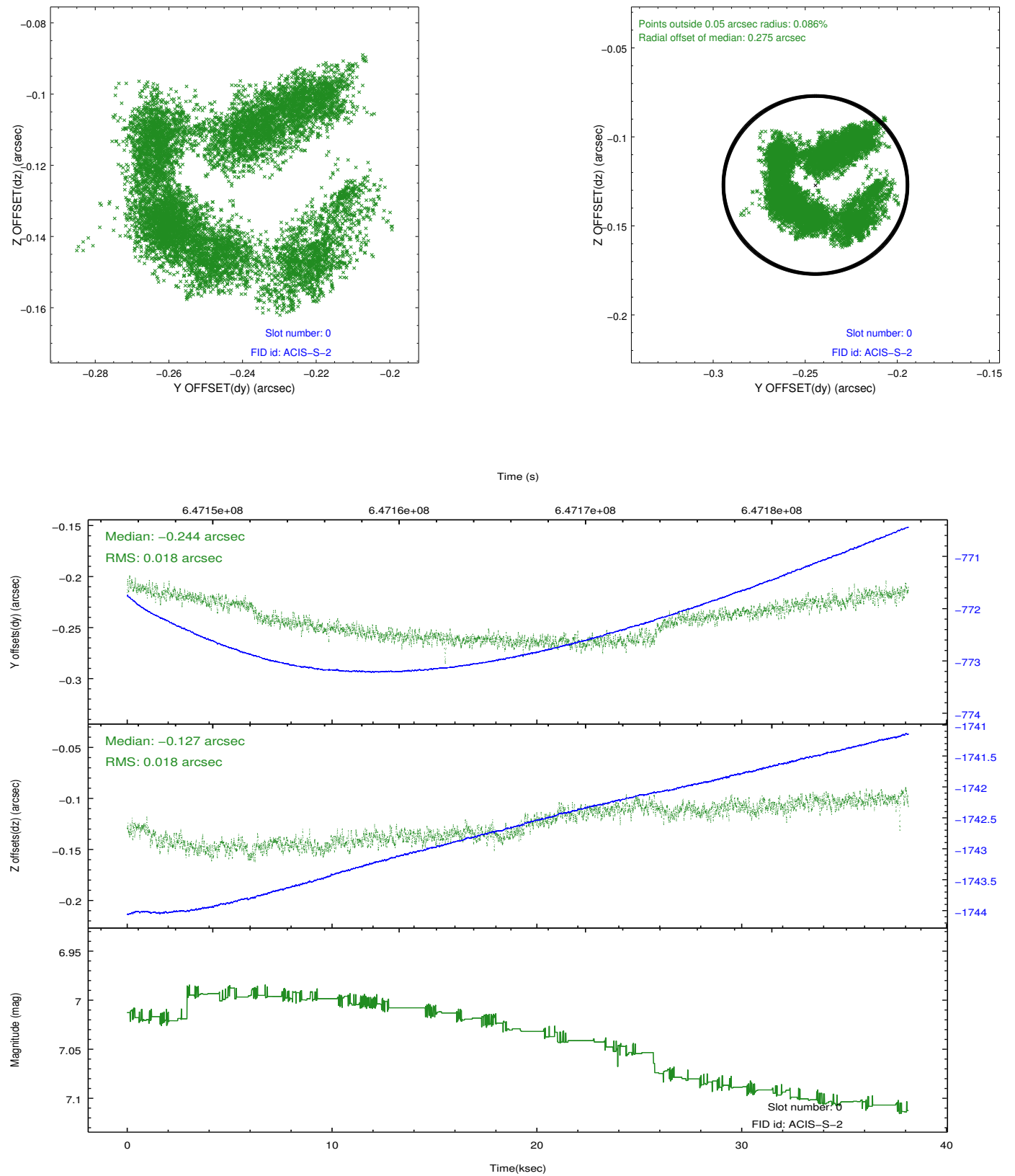


2.4.5 Slot 7

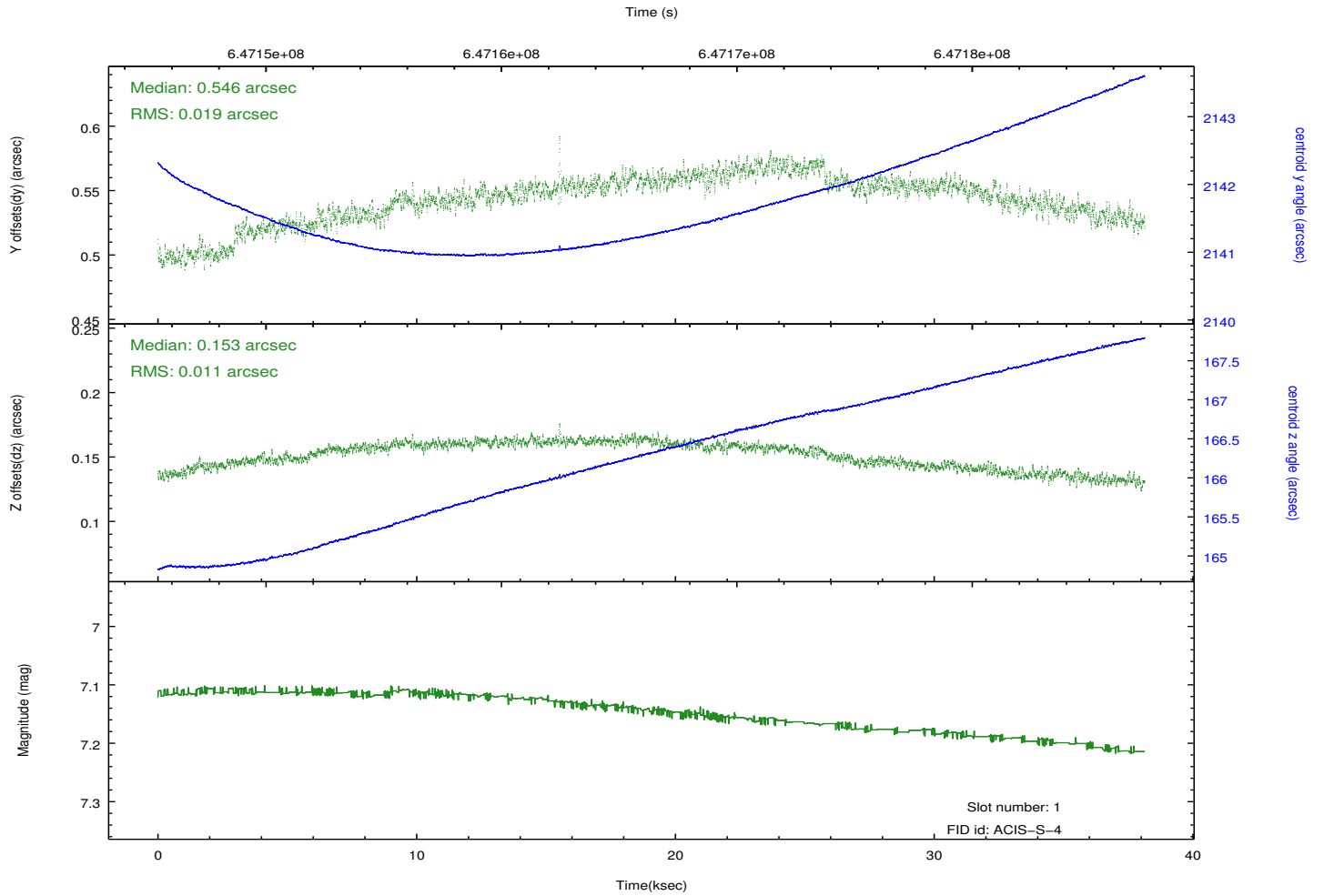
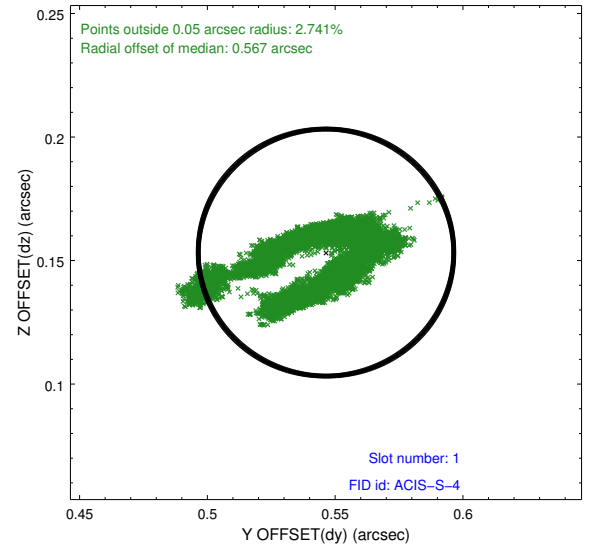
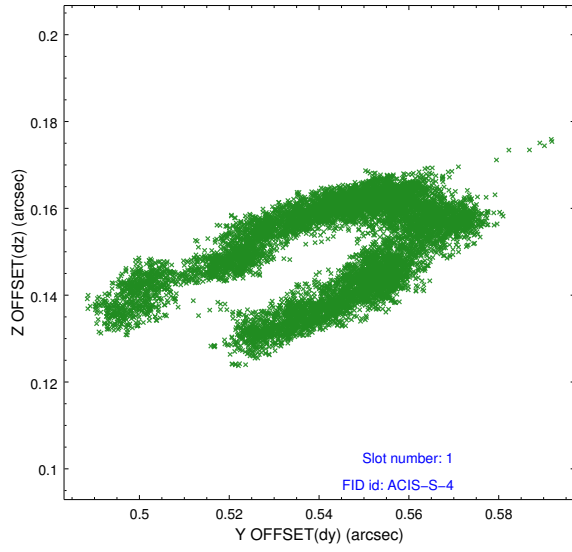


2.5 FID Slots

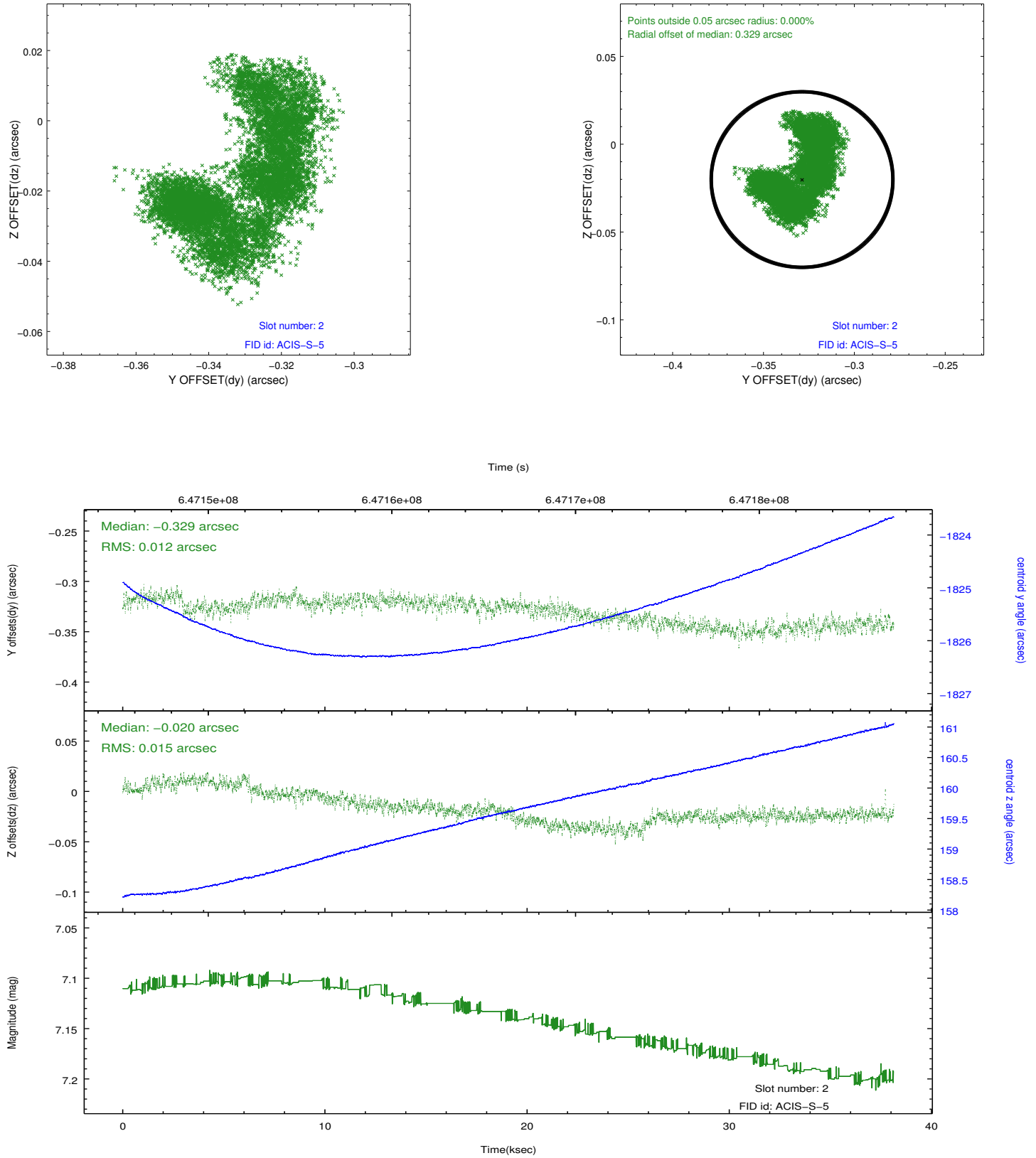
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.114500293255

A.2 Comments