

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 20758 - L2 Version 1
Chandra X-Ray Center

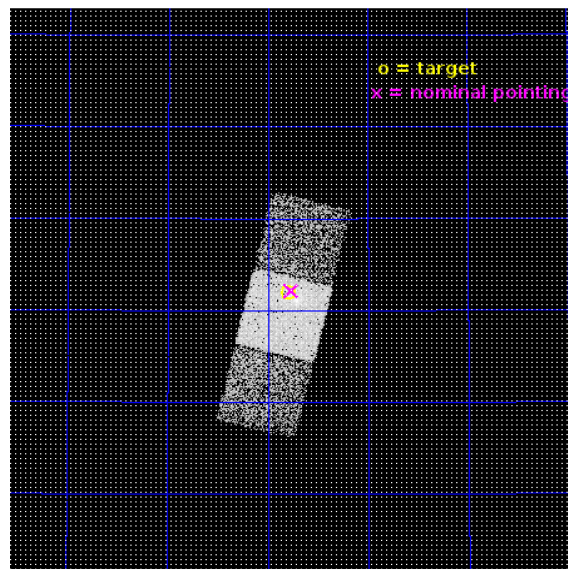
L2 Processing Date : Dec 6 2017

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1 Front

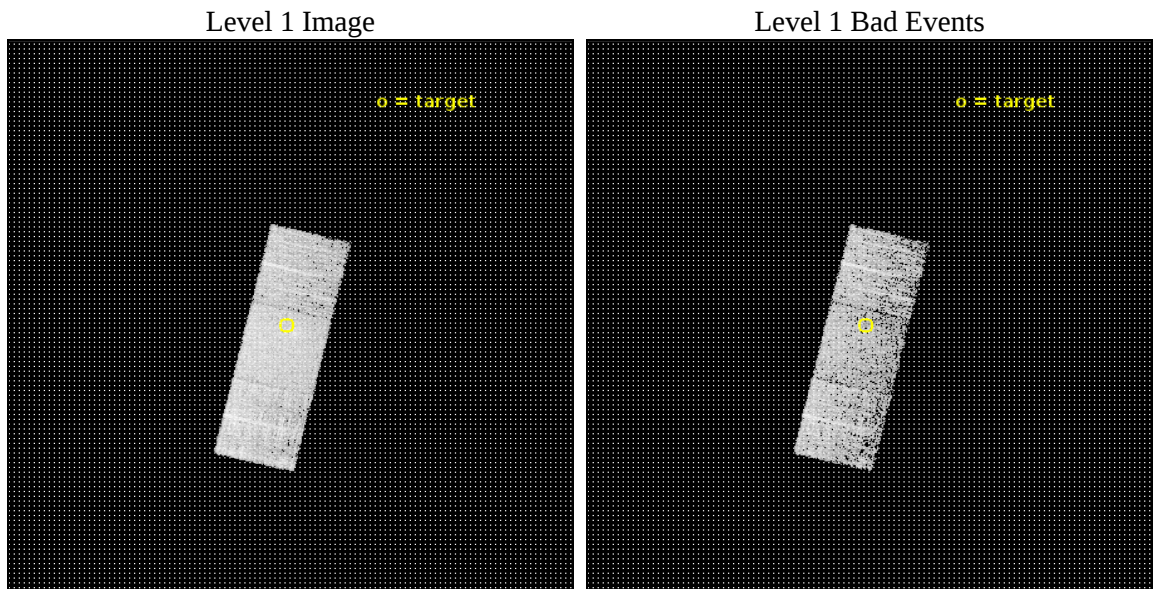
seq_num	703623	Sequence number
obs_id	20758	Observation id
title	A Chandra Snapshot Survey of Extremely Red Quasars from SDSS BOSS and WISE	Proposal title
observer	Gordon Garmire	Principal investigator
object	J0805+4541	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	121.44875	Observer's specified target RA [deg]
dec_targ	45.699722	Observer's specified target Dec [deg]
ra_nom	121.4413502013	Nominal RA [deg]
dec_nom	45.702352930139	Nominal Dec [deg]
roll_nom	103.51620198932	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4113.7000317574	Sum of GTIs [s]
livetime	4059.9515123805	Livetime [s]
ontime6	4113.7000317574	Sum of GTIs [s]
ontime7	4113.7000317574	Sum of GTIs [s]
ontime8	4113.7000317574	Sum of GTIs [s]
l2events	23347	Number of level 2 events



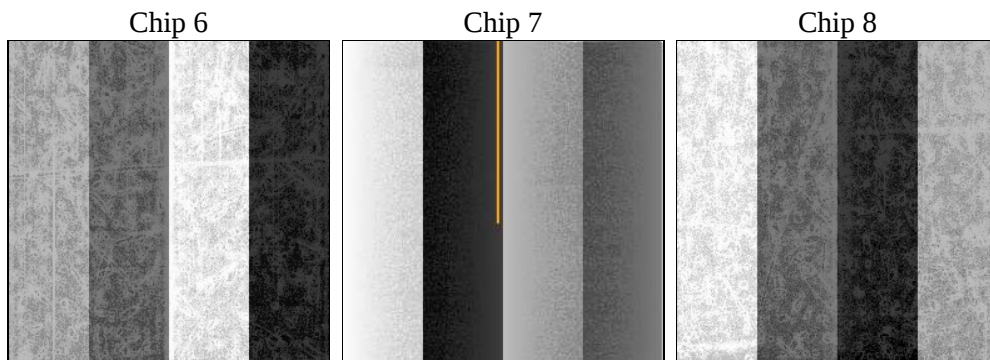
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	4113.7000317574	Sum of GTIs [s]
caldbver	4.7.6	 	ontime6	4113.7000317574	Sum of GTIs [s]
date	2017-12-06T17:00:48	Date and time of file creation	ontime7	4113.7000317574	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4113.7000317574	Sum of GTIs [s]
			l1events	104124	Number of level 1 events

2.1.4 Events

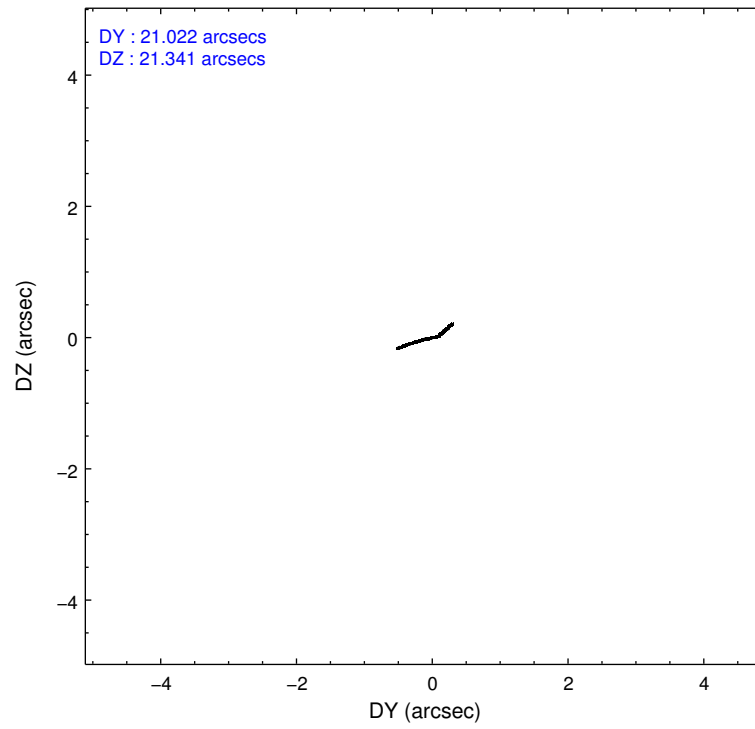
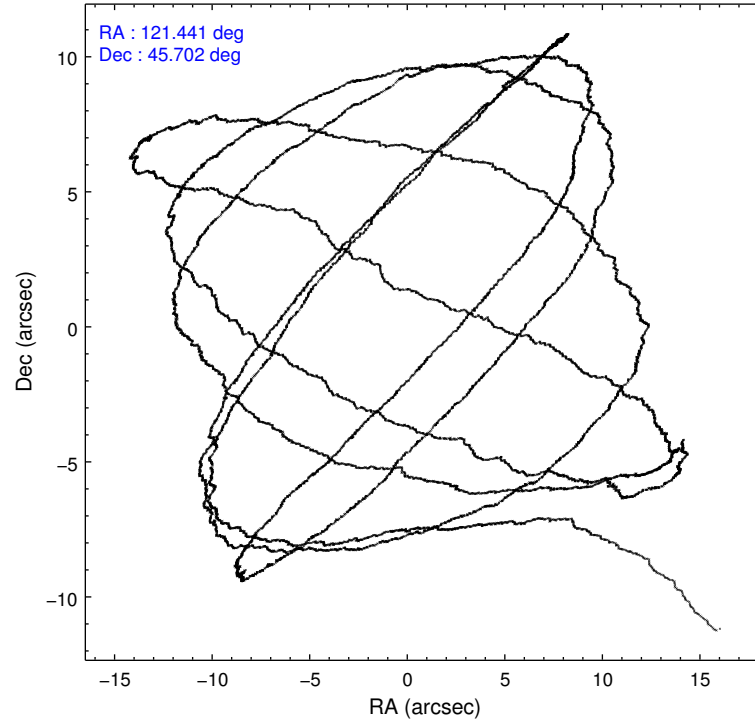
	ccd 6	ccd 7	ccd 8
level 1 events	28415	38346	37363
rejected events	24985	20961	26888
rejected %	87%	54%	71%

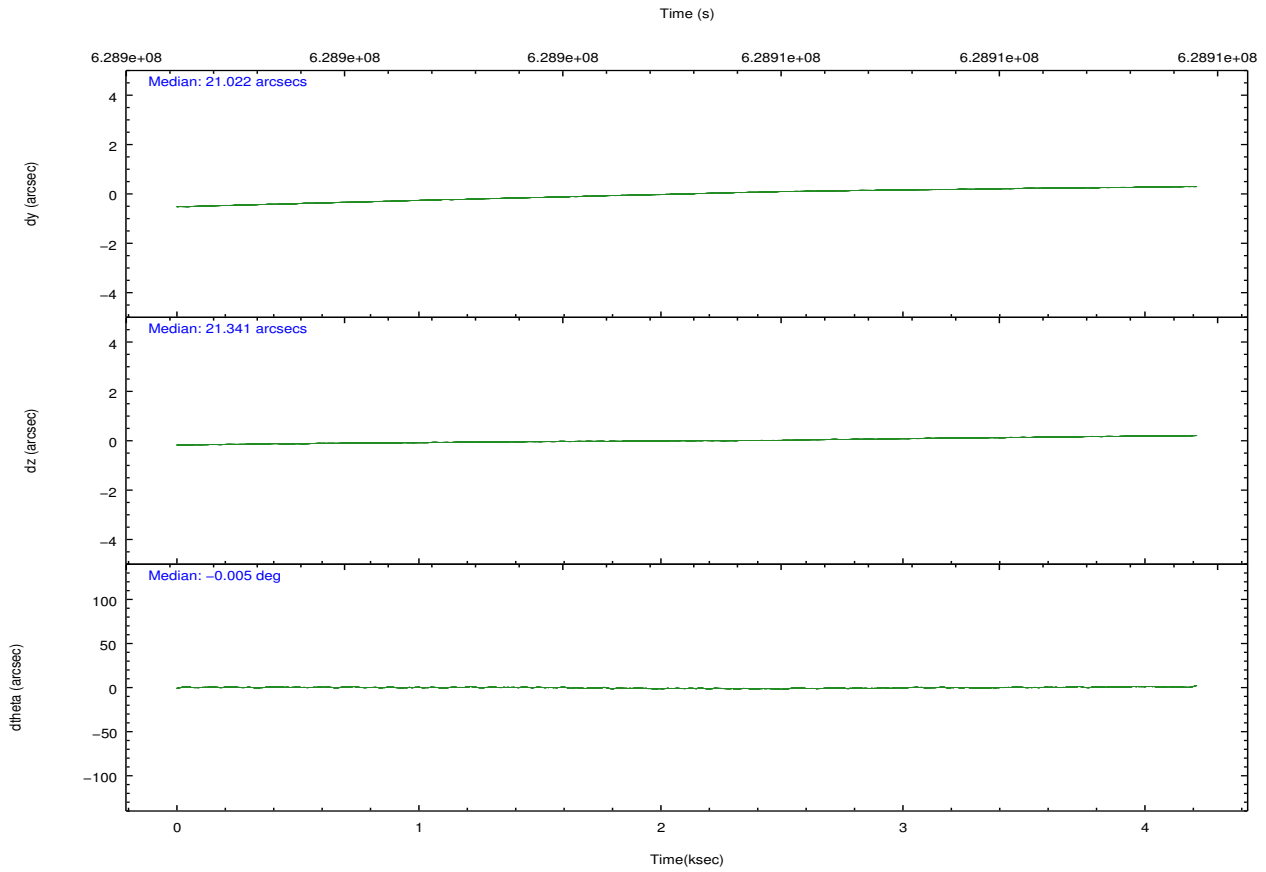
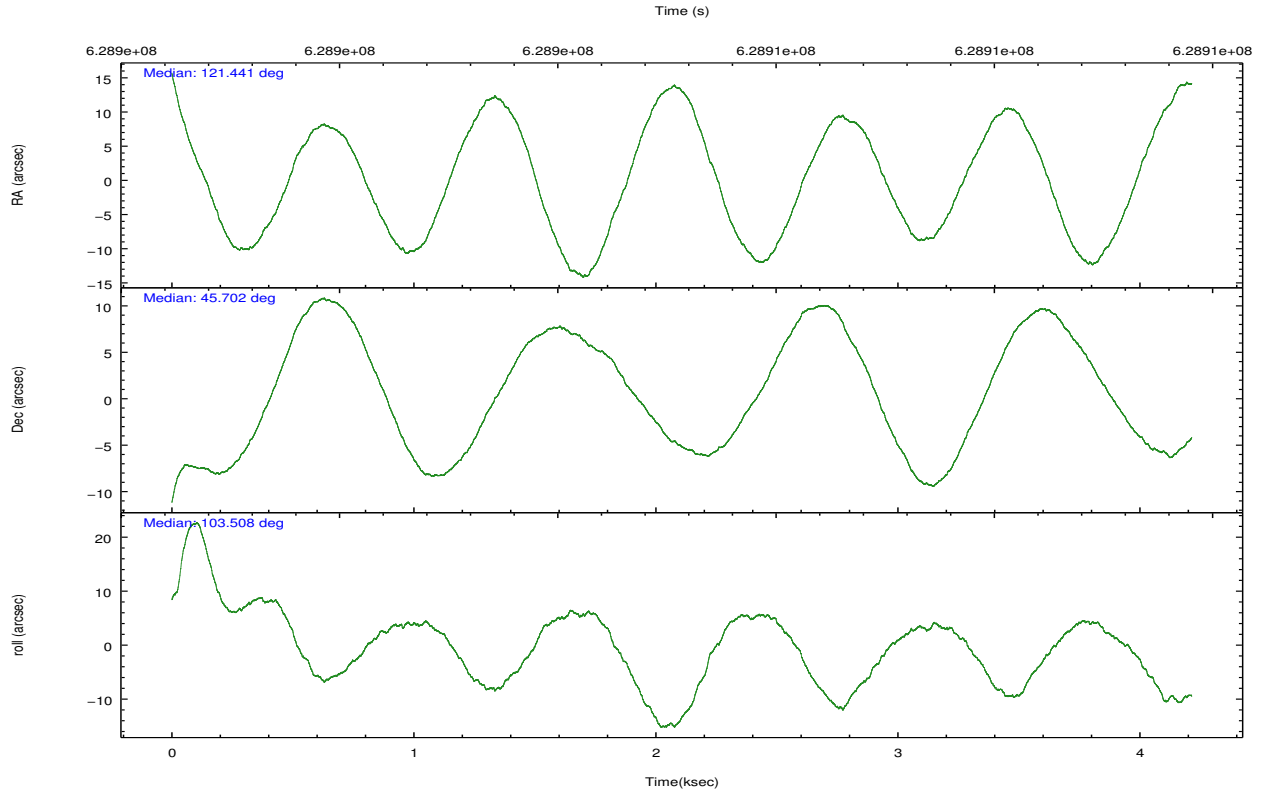
	ccd 6	ccd 7	ccd 8
grade 0 events	1168	1632	2993
	4%	4%	8%
grade 1 events	8	47	35
	0%	0%	0%
grade 2 events	778	3780	2613
	2%	9%	6%
grade 3 events	311	1466	1077
	1%	3%	2%
grade 4 events	362	1468	1042
	1%	3%	2%
grade 5 events	1438	3728	2092
	5%	9%	5%
grade 6 events	814	9055	2756
	2%	23%	7%
grade 7 events	23536	17170	24755
	82%	44%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	121.468788	121.4413502013014	Subarray requested	NONE	NONE
[deg] Pointing Dec	45.682822	45.70235293013874	Alternating exposures requested	N	N
[deg] Pointing Roll	103.339967	103.5162019893155	[s] Primary exposure time	0.000000	3.1
[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)	628903675.184000	628902753.01986			
Observation start date	2017-12-05T23:26:46	2017-12-05T23:12:33			
[s] Observation end time (MET)	628907675.184000	628908581.1702			
Observation end date	2017-12-06T00:33:26	2017-12-06T00:49:41			
Read mode	TIMED	TIMED			

2.3 Aspect



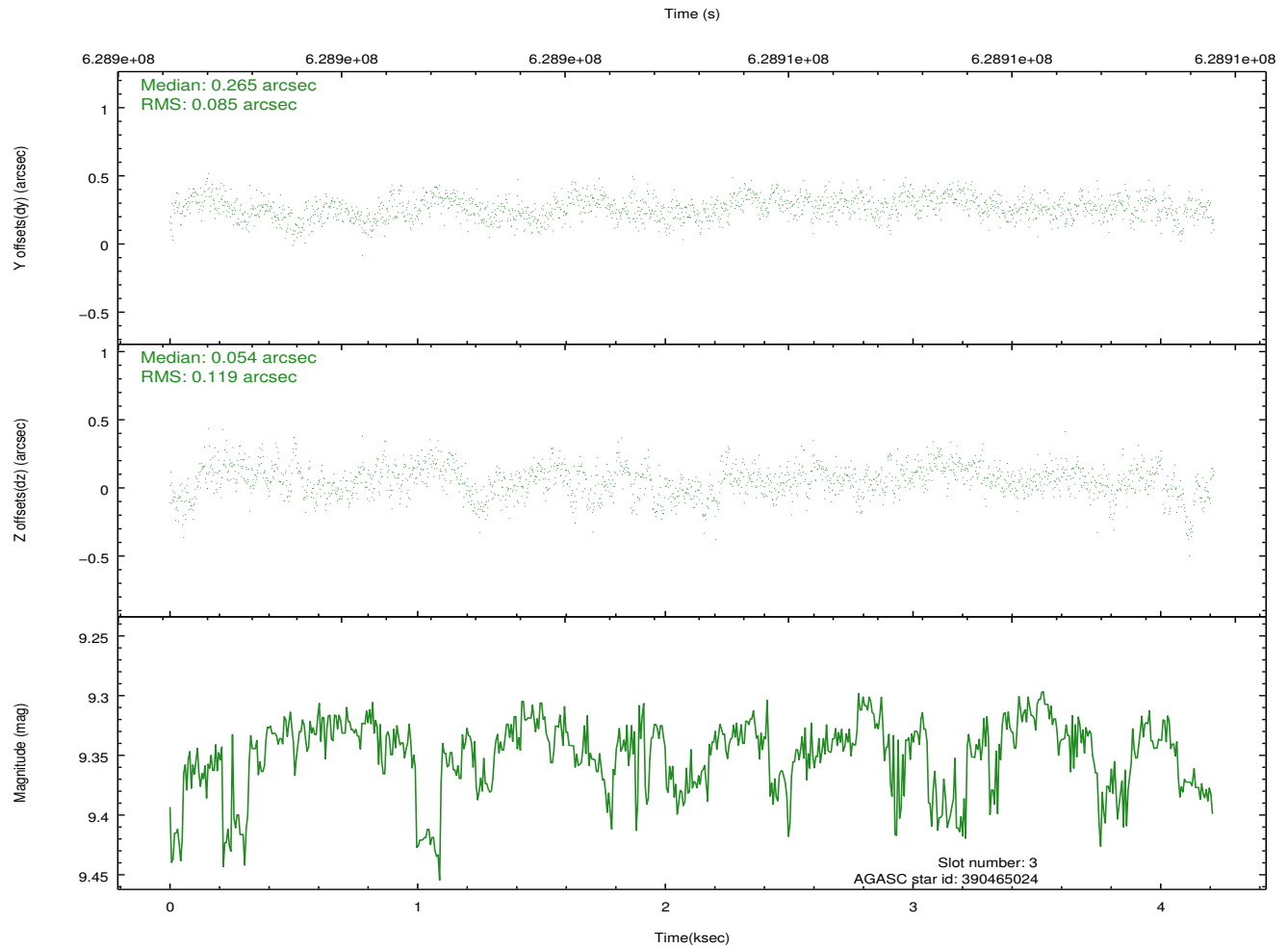
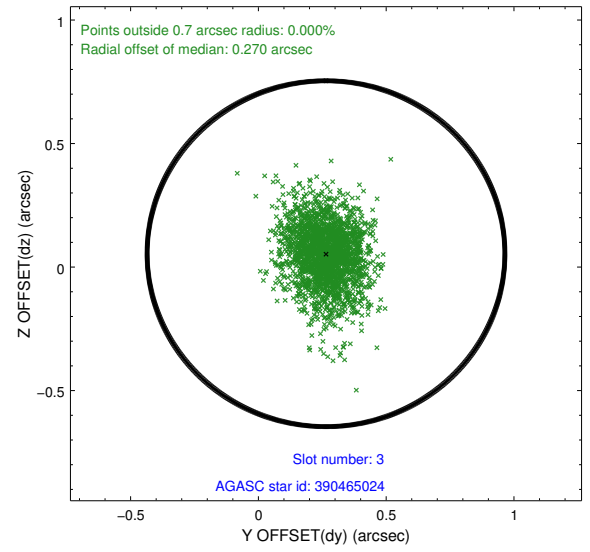
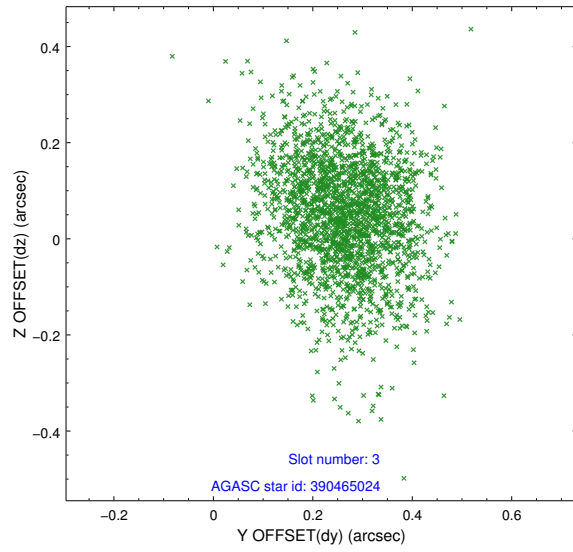


Slot Statistics

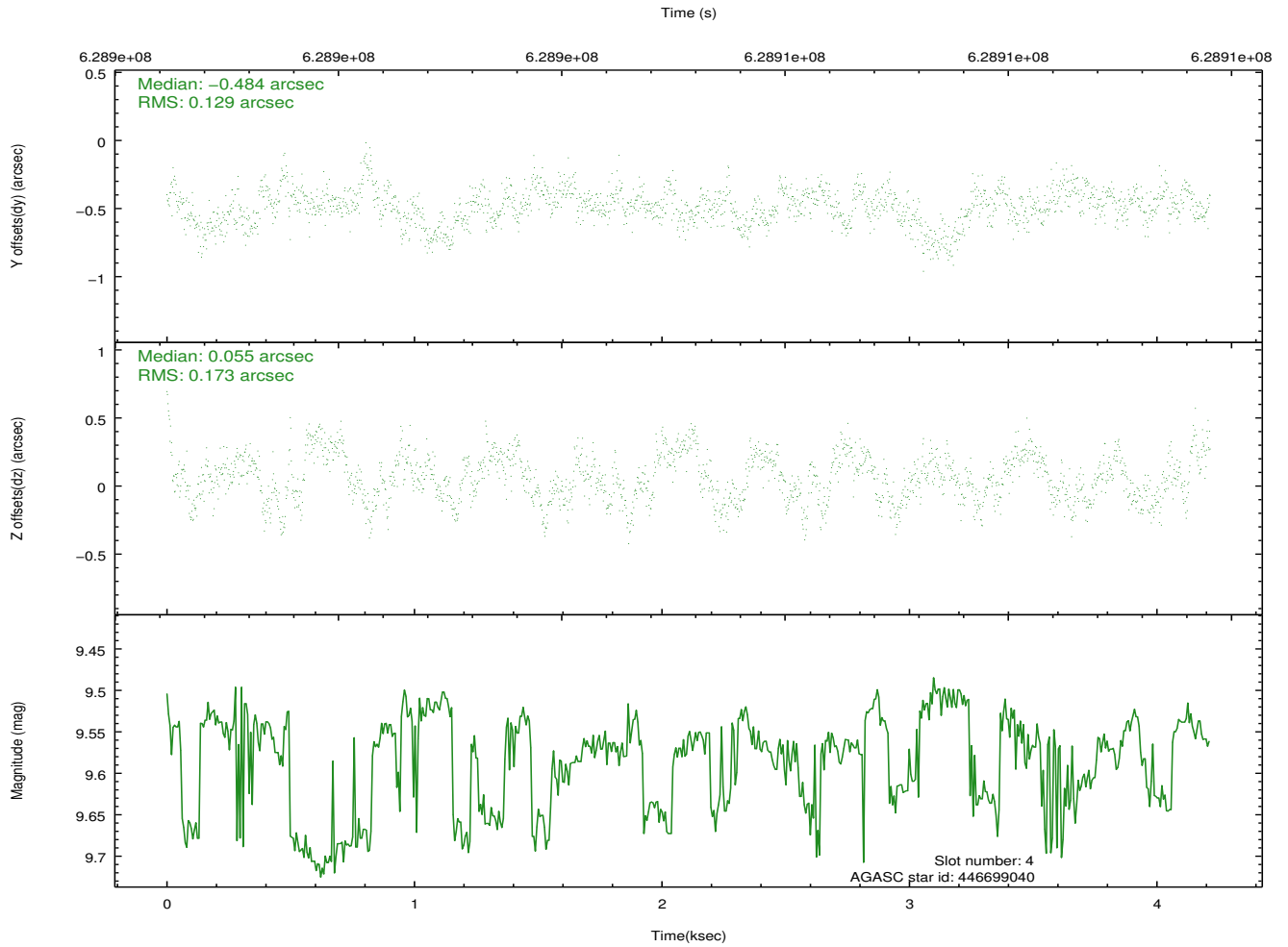
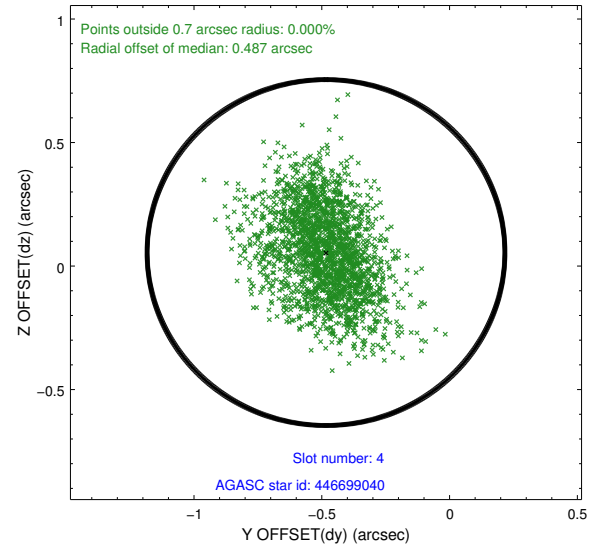
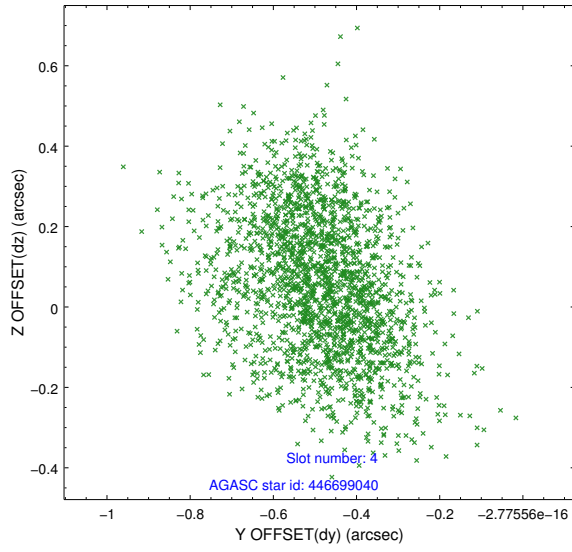
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.01	1027	-0.235	-0.120	0.009	0.014	0.000000	0.000000	-774.31	-1743.04
1	FID		ACIS-S-4	7.13	1027	0.500	0.146	0.006	0.012	0.000000	0.000000	2138.98	164.23
2	FID		ACIS-S-5	7.12	1028	-0.296	-0.017	0.008	0.014	0.000000	0.000000	-1825.37	159.34
3	GUIDE	used	390465024	9.34	2050	0.265	0.054	0.151	0.255	121.122967	44.990454	-2219.94	1431.51
4	GUIDE	used	446699040	9.57	2055	-0.484	0.055	0.231	0.369	121.631568	46.151301	1546.83	-783.11
5	GUIDE	used	446700704	7.77	2057	0.287	0.600	0.121	0.211	122.336007	45.767500	-193.06	-2191.38
6	GUIDE	used	446711456	7.76	2057	-0.295	-0.499	0.144	0.251	120.779149	45.619014	183.98	1740.37
7	GUIDE	used	446713200	9.39	2055	0.228	-0.213	0.161	0.277	121.178679	45.586771	-166.23	791.28

2.4 Star Slots

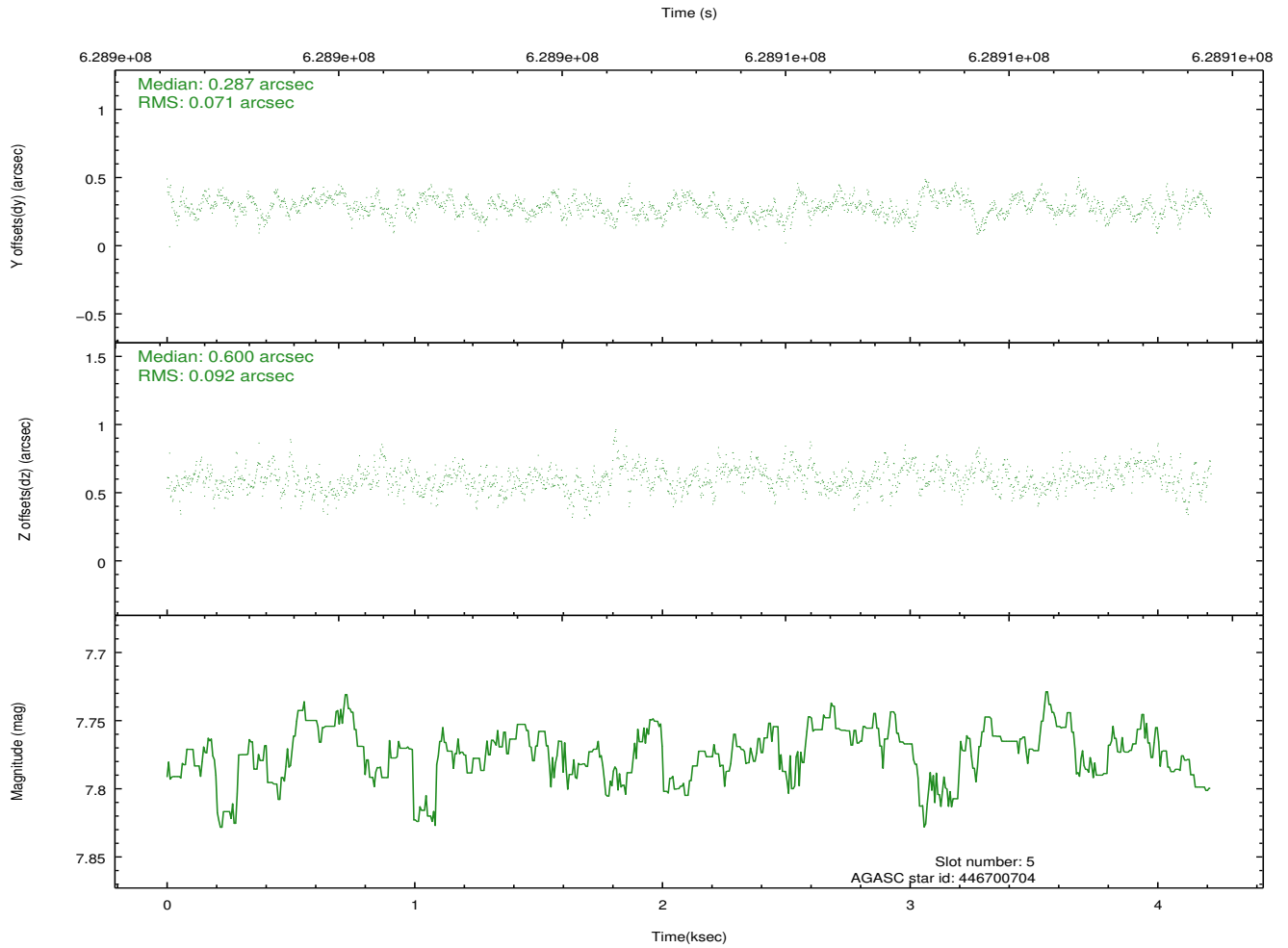
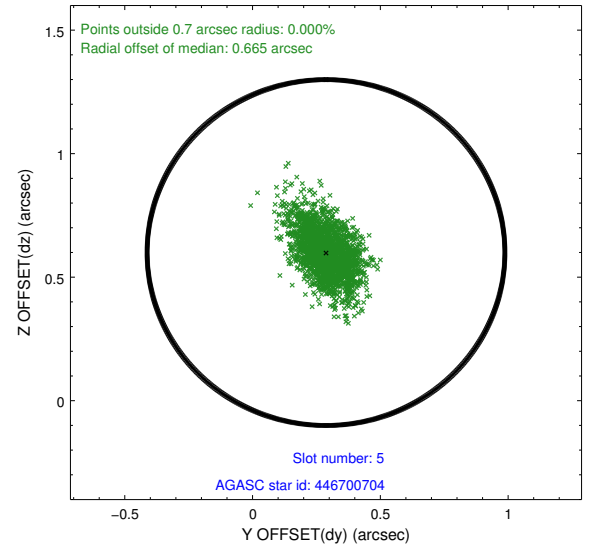
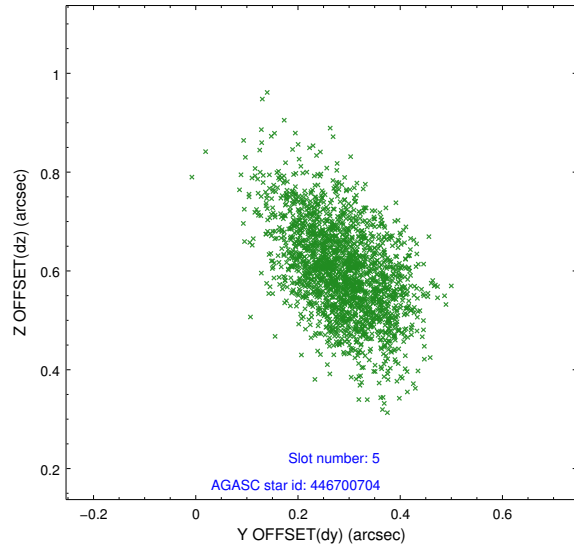
2.4.1 Slot 3



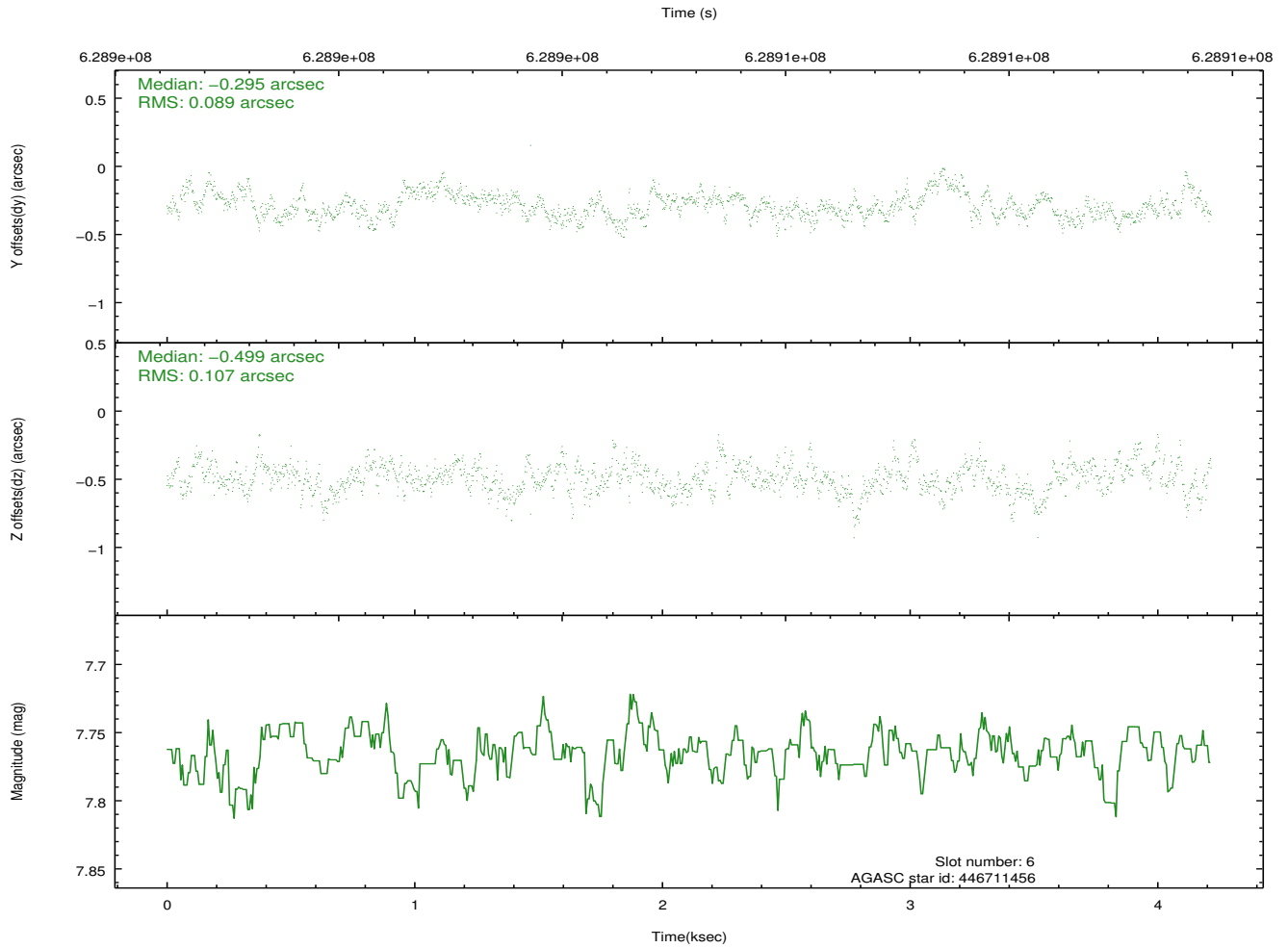
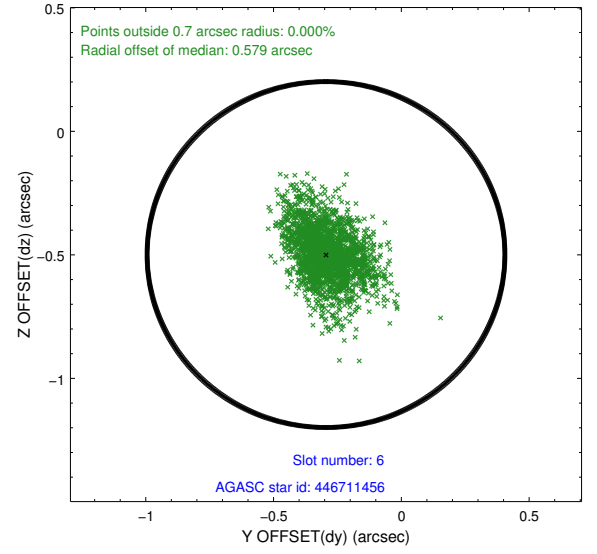
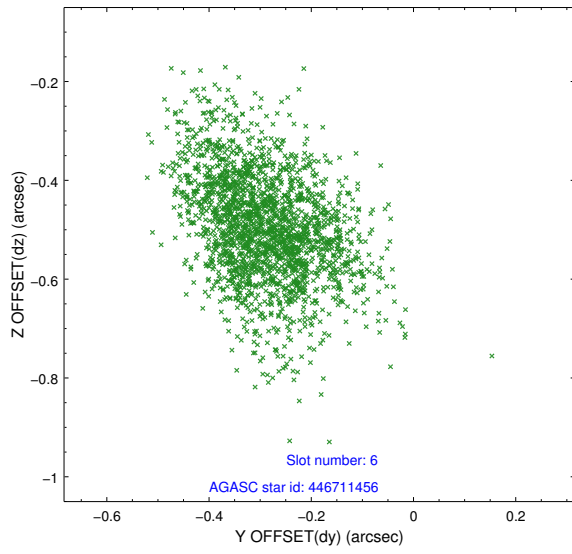
2.4.2 Slot 4



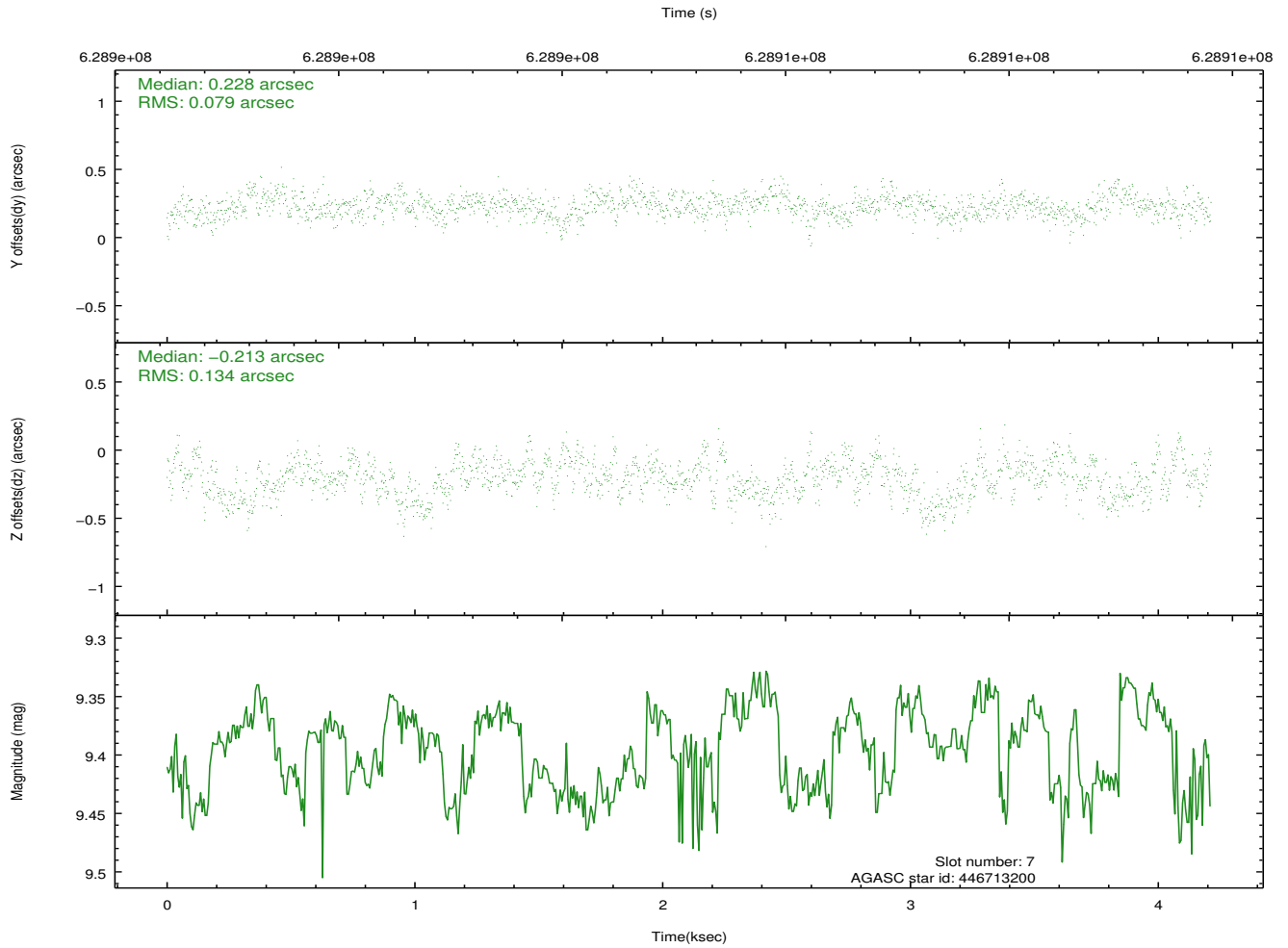
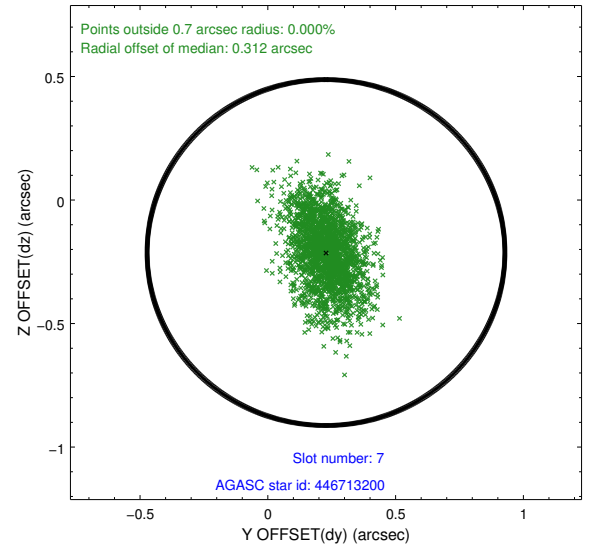
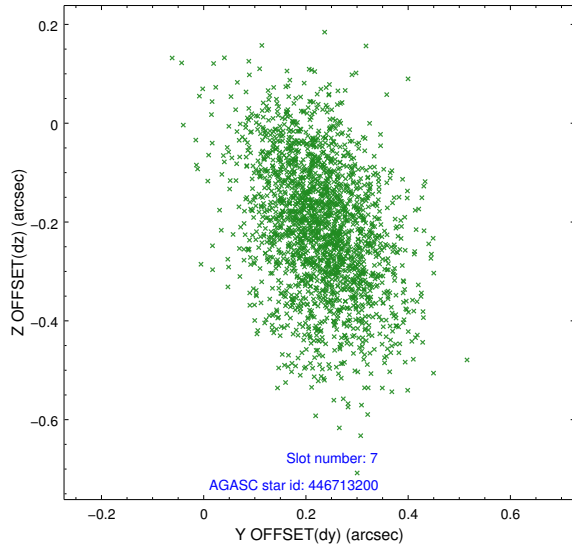
2.4.3 Slot 5



2.4.4 Slot 6

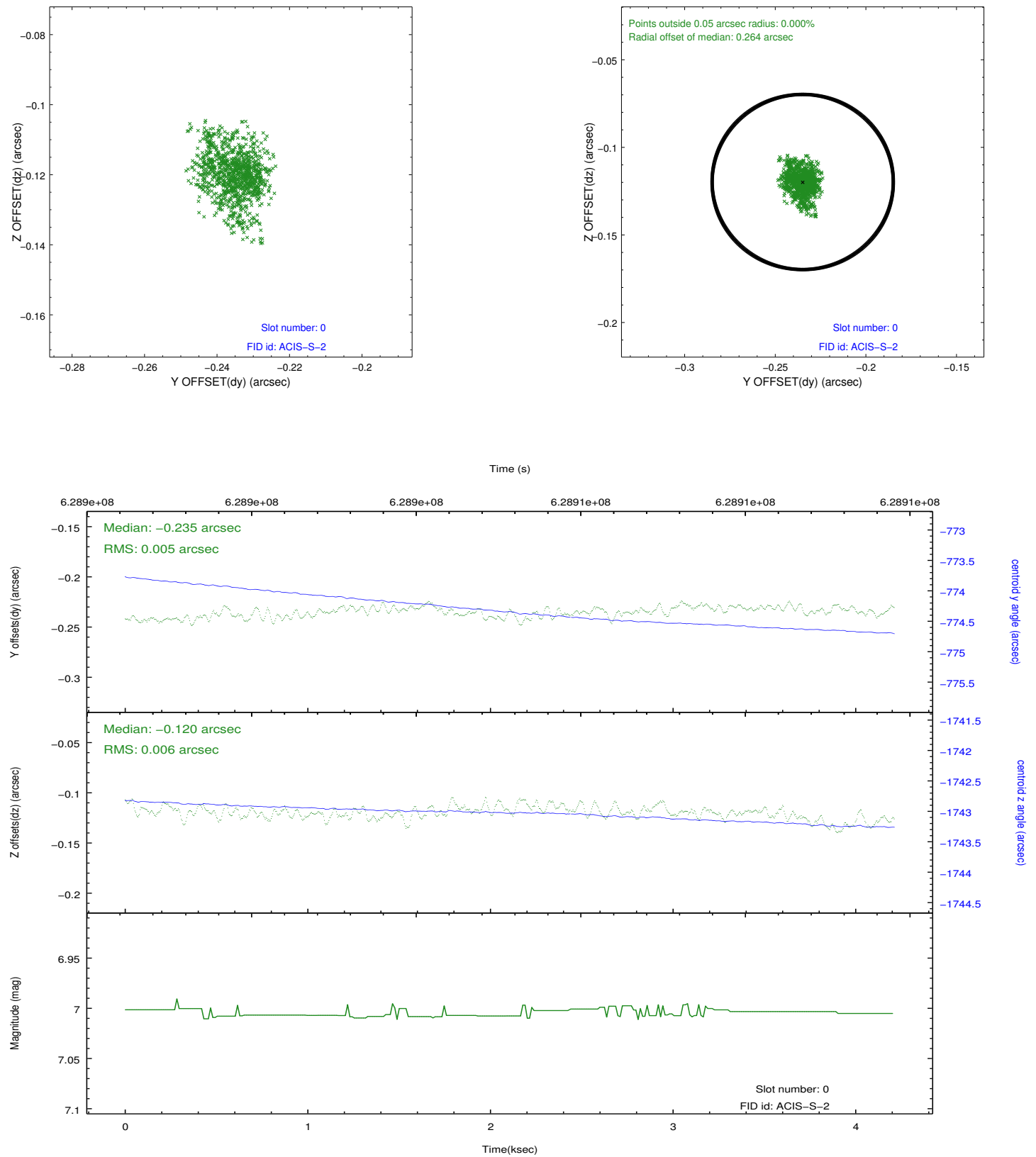


2.4.5 Slot 7

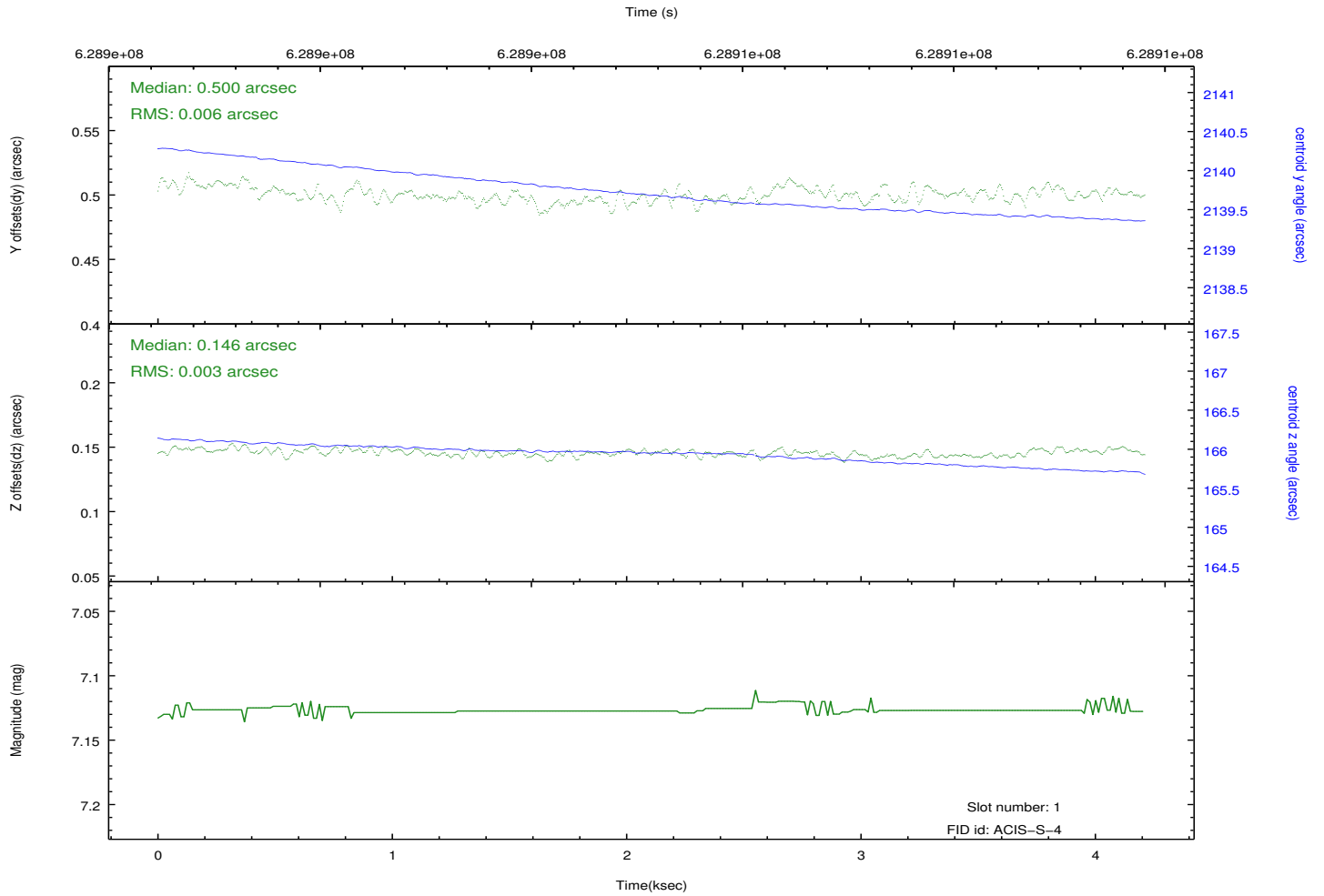
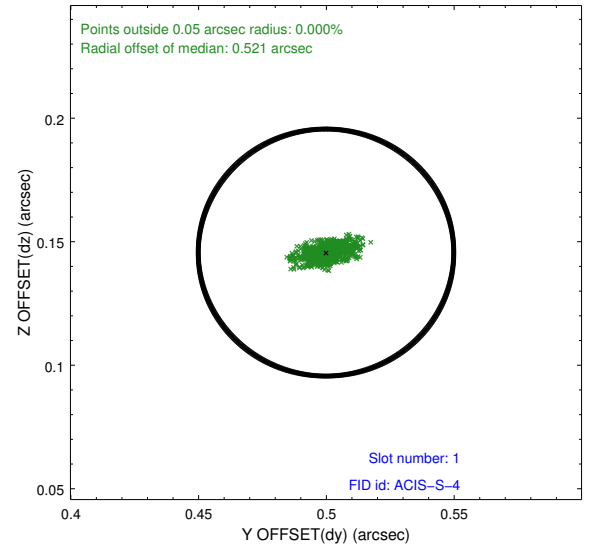
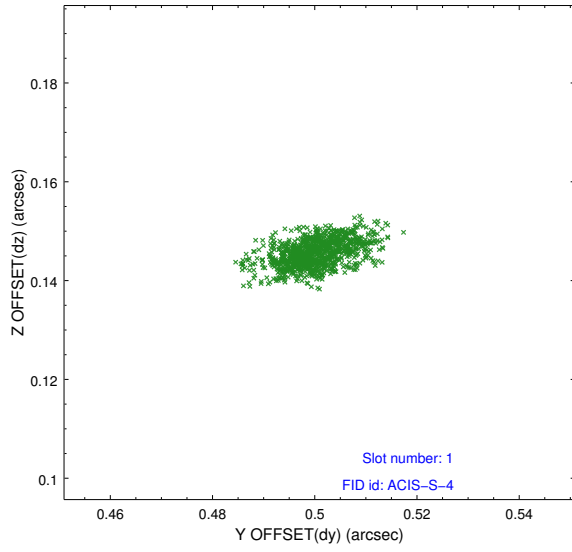


2.5 FID Slots

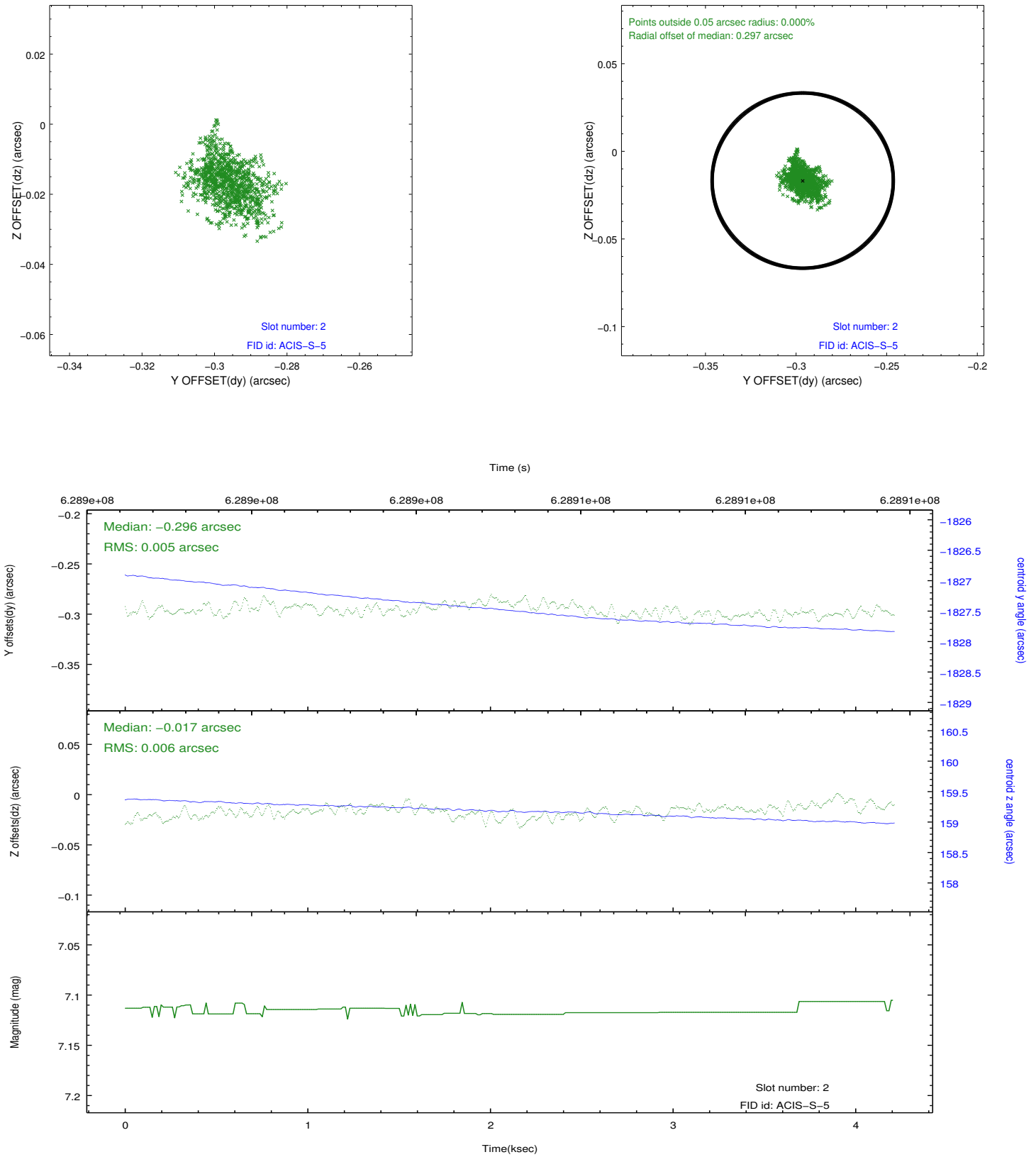
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1137000317574

A.2 Comments