

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22080 - L2 Version 1
Chandra X-Ray Center

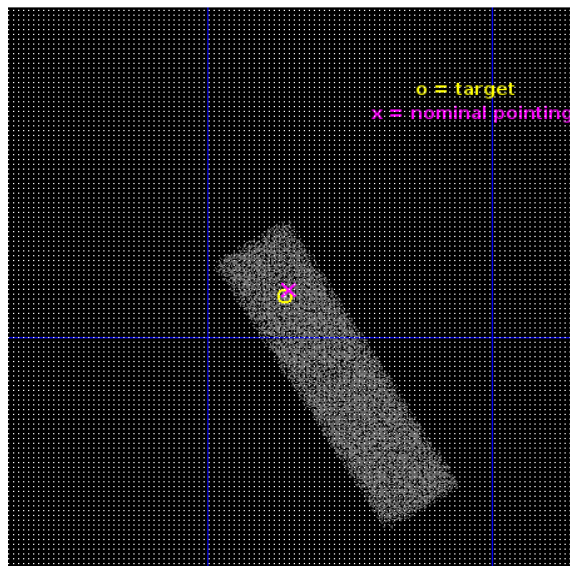
L2 Processing Date : Feb 5 2019

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1 Front

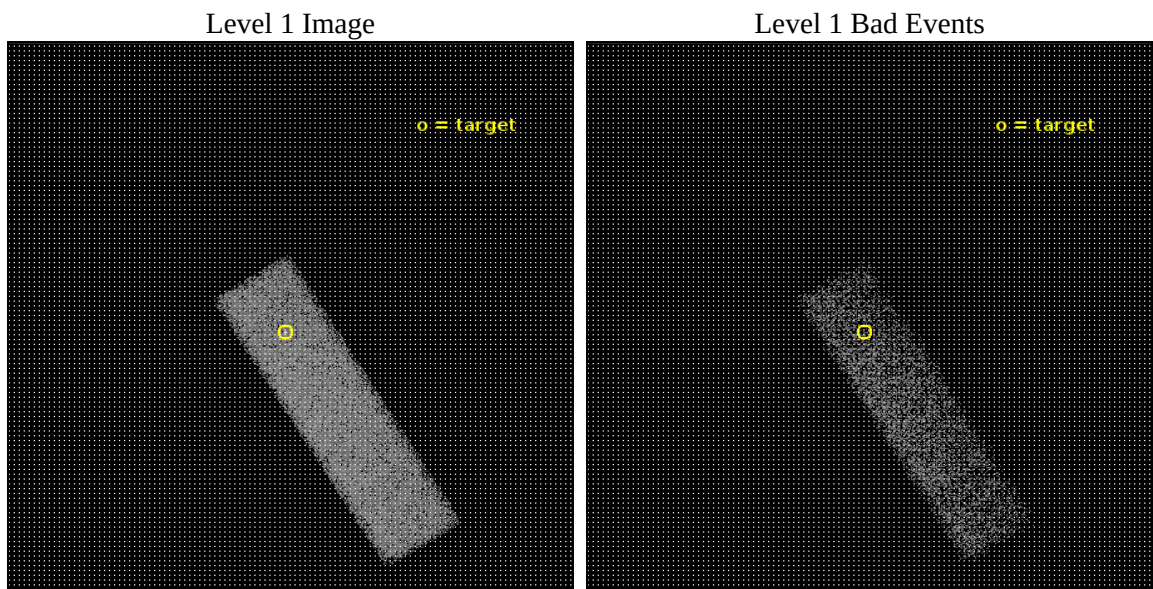
seq_num	401935	Sequence number
obs_id	22080	Observation id
title	X-Ray Jets in Microquasars	Proposal title
observer	Stephane CORBEL	Principal investigator
object	MAXI J1820+070	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	275.09125	Observer's specified target RA [deg]
dec_targ	7.185333	Observer's specified target Dec [deg]
ra_nom	275.08915547553	Nominal RA [deg]
dec_nom	7.1882700610025	Nominal Dec [deg]
roll_nom	58.156909870864	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20060.770632863	Sum of GTIs [s]
livetime	19081.870667615	Livetime [s]
ontime7	20060.770632863	Sum of GTIs [s]
l2events	24115	Number of level 2 events



2 OBI

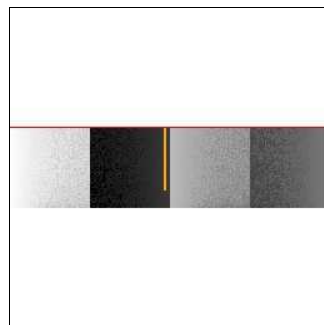
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	20060.770632863	Sum of GTIs [s]
caldsver	4.8.2	 	ontime7	20060.770632863	Sum of GTIs [s]
date	2019-02-05T15:24:55	Date and time of file creation	l1events	51333	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

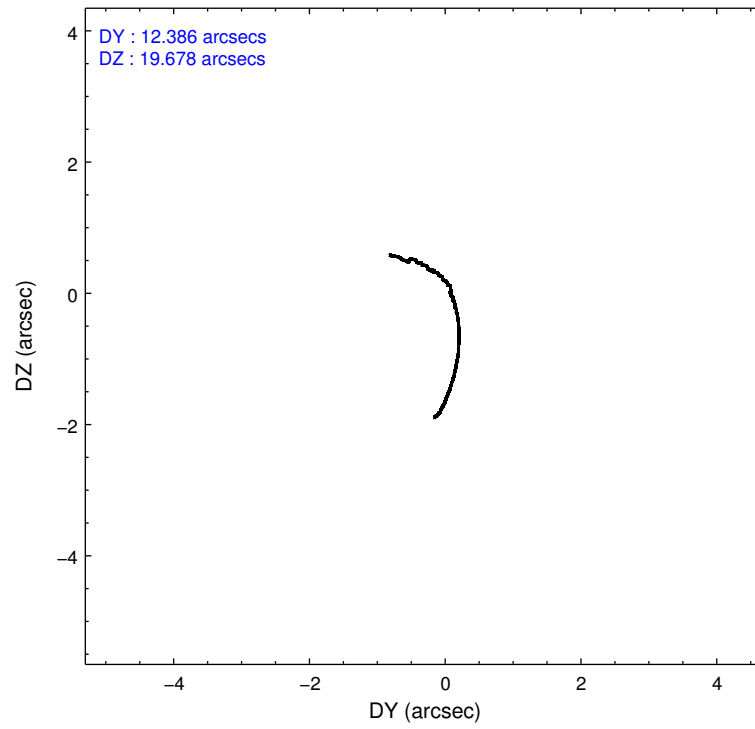
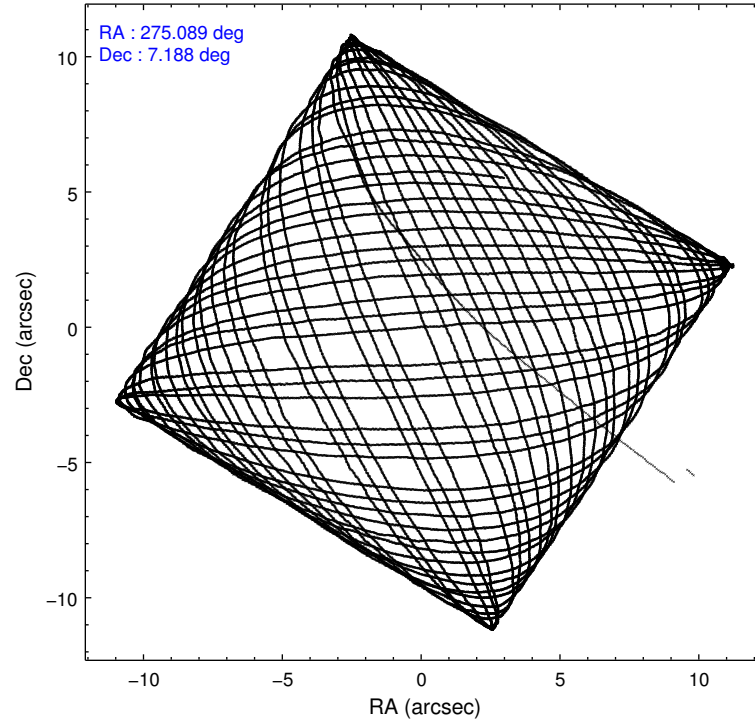
	ccd 7
level 1 events	51333
rejected events	26444
rejected %	51%

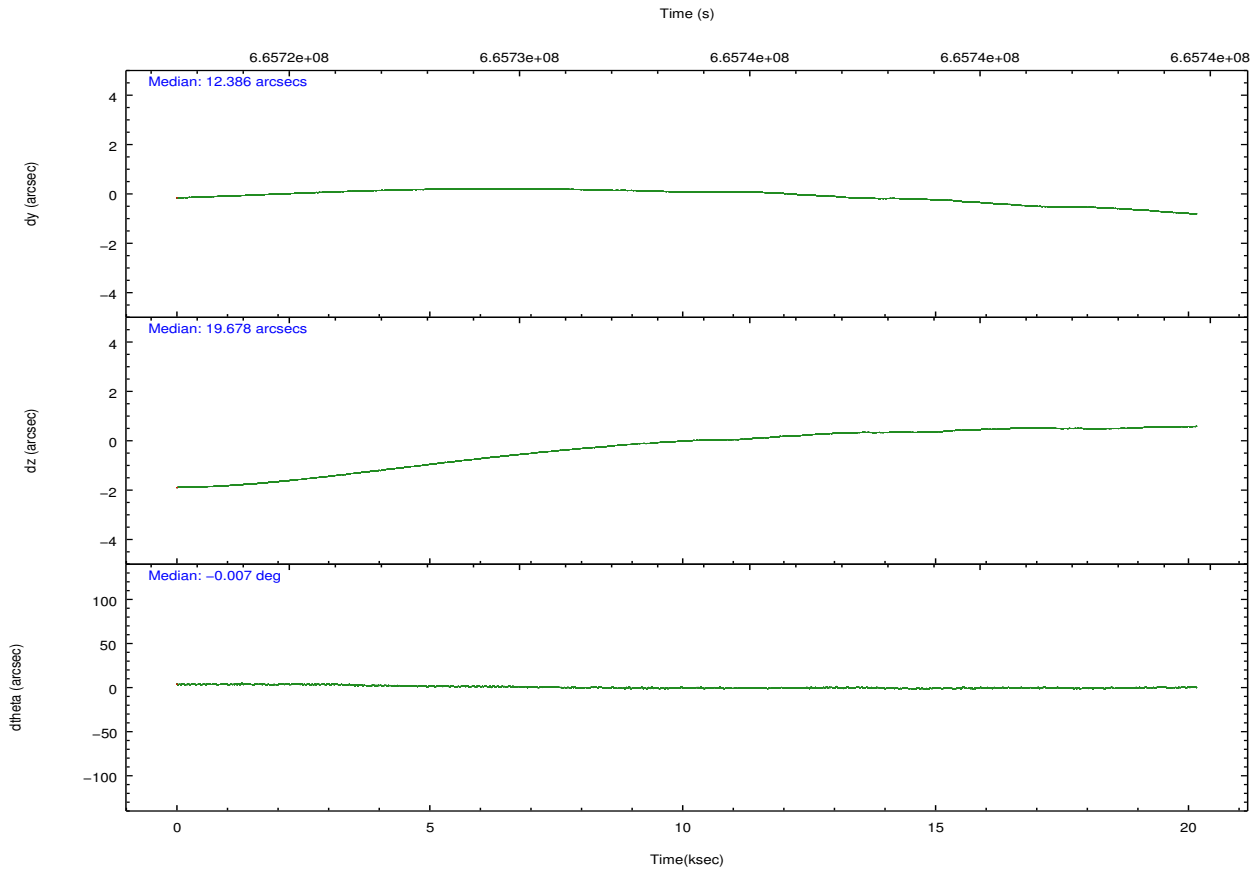
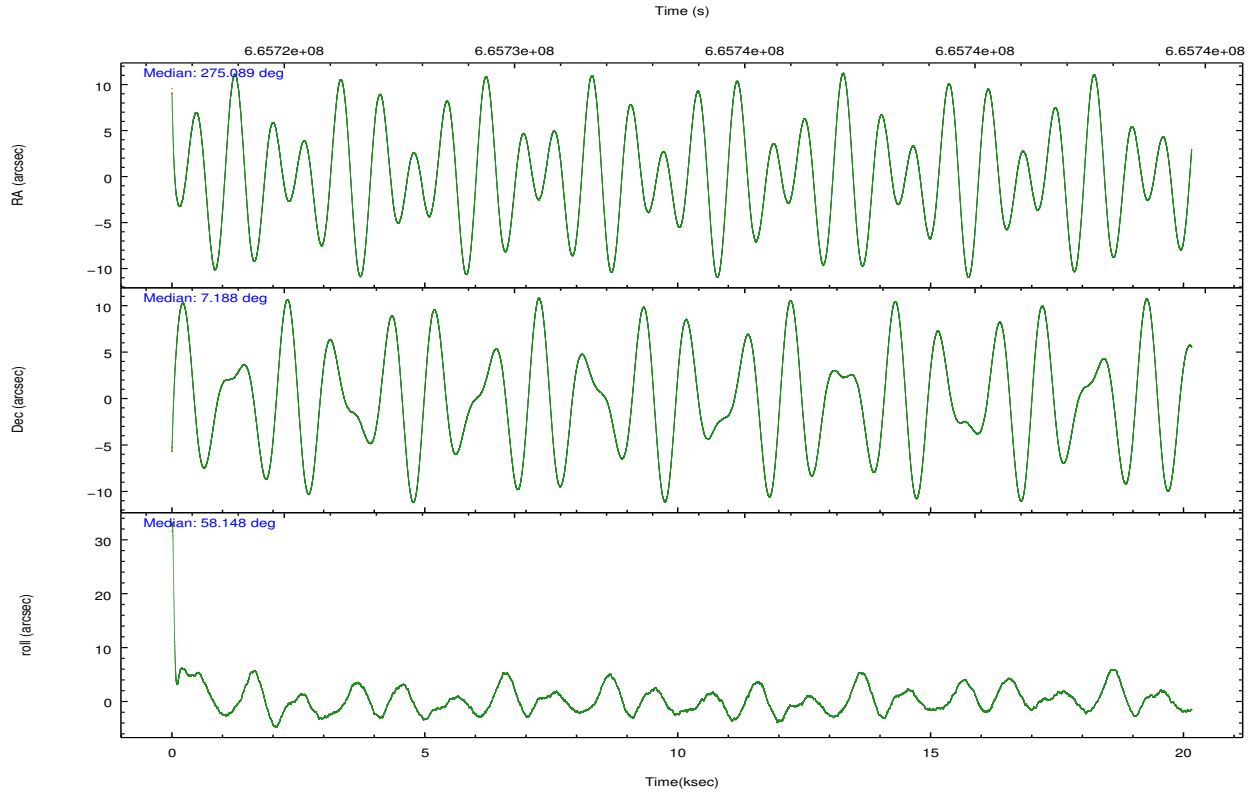
	ccd 7
grade 0 events	2492
	4%
grade 1 events	83
	0%
grade 2 events	5275
	10%
grade 3 events	2715
	5%
grade 4 events	2577
	5%
grade 5 events	5159
	10%
grade 6 events	11830
	23%
grade 7 events	21202
	41%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	275.088642	275.0891554755298	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	7.160813	7.188270061002534	Subarray start row	385	385
[deg] Pointing Roll	58.000326	58.15690987086388	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	665723718.184000	665722459.85587			
Observation start date	2019-02-05T03:14:09	2019-02-05T02:54:19			
[s] Observation end time (MET)	665743718.184000	665744733.6197			
Observation end date	2019-02-05T08:47:29	2019-02-05T09:05:33			
Read mode	TIMED	TIMED			

2.3 Aspect



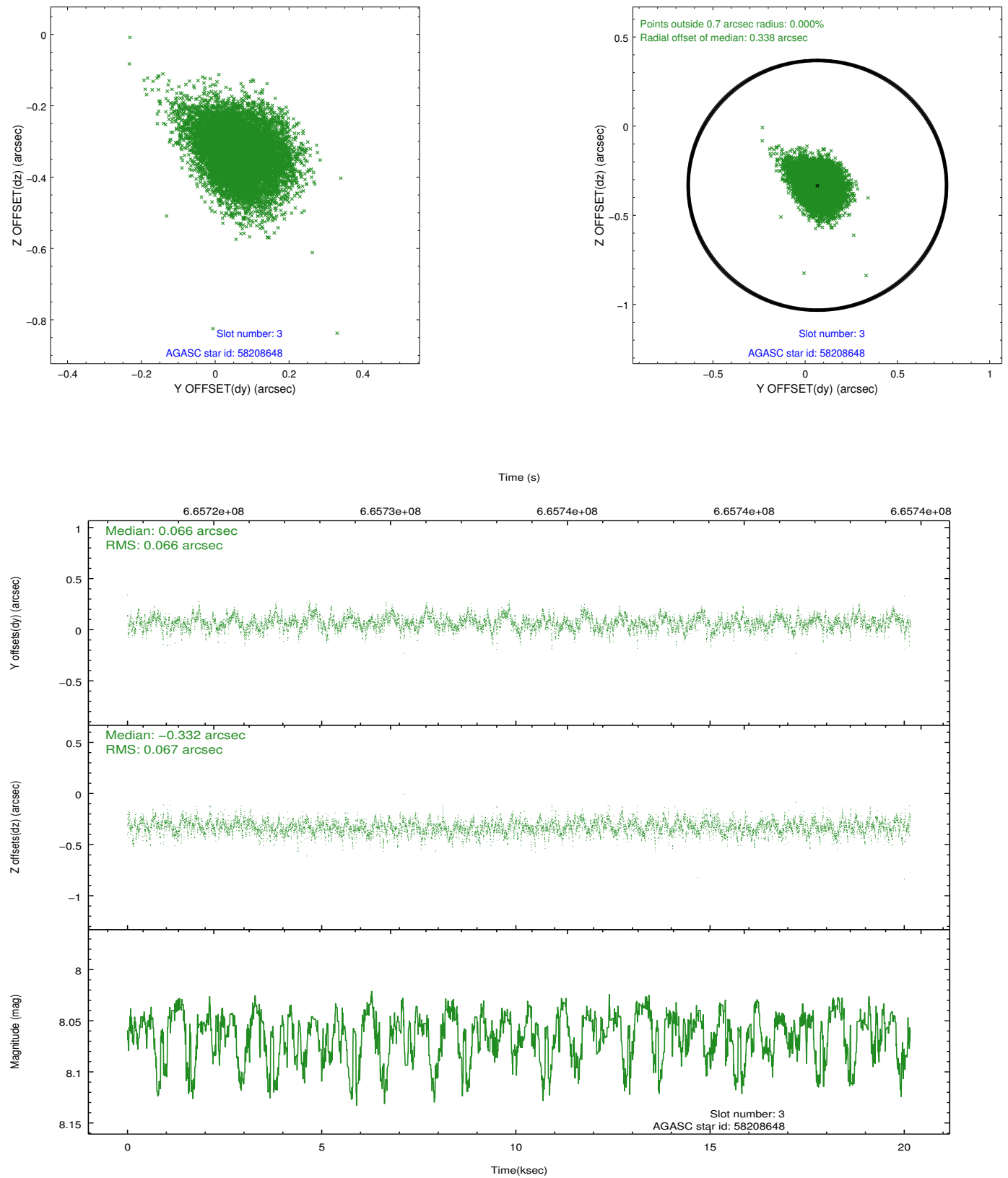


Slot Statistics

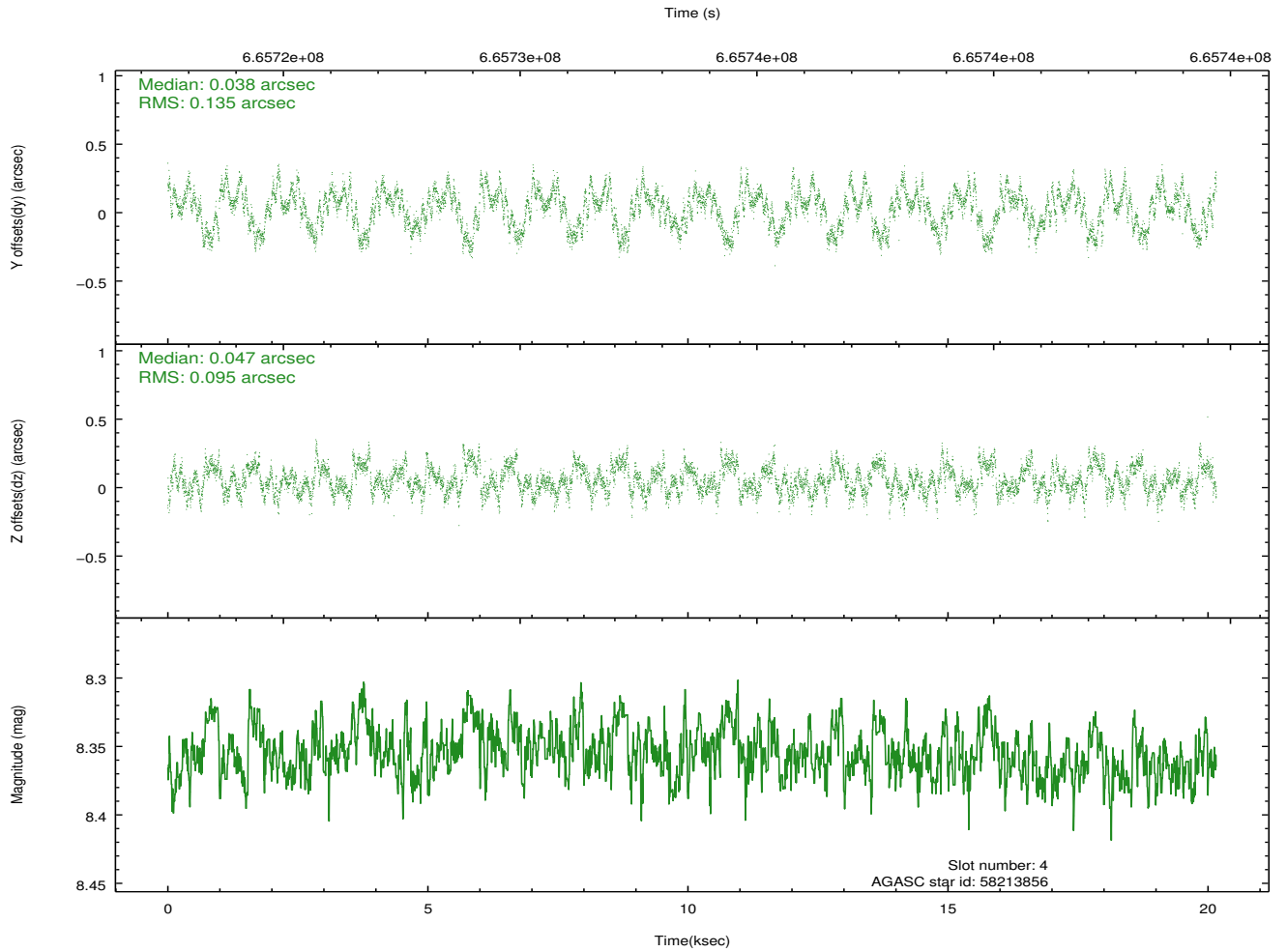
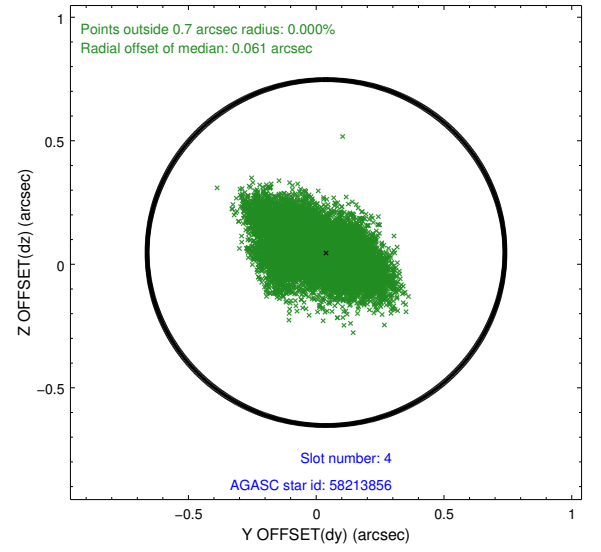
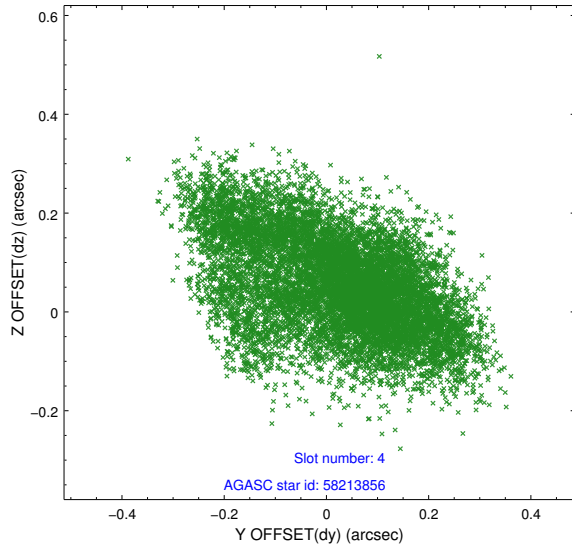
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.08	4917	1.000	-0.279	-0.158	0.043	0.076	0.000000	0.000000	-765.38	-1741
1	FID		ACIS-S-4	7.21	4918	1.000	0.700	0.176	0.019	0.028	0.000000	0.000000	2148.70	167
2	FID		ACIS-S-5	7.19	4918	1.000	-0.468	-0.010	0.057	0.072	0.000000	0.000000	-1818.26	161
3	GUIDE	used	58208648	8.06	9828	1.000	0.066	-0.332	0.099	0.165	274.402649	7.152383	-1322.96	2062
4	GUIDE	used	58213856	8.36	9829	1.000	0.038	0.047	0.178	0.290	275.612553	7.226303	1192.88	-1460
5	GUIDE	used	58215552	7.59	9832	1.000	0.062	0.289	0.098	0.159	275.048740	7.069088	-355.28	-53
6	GUIDE	used	58338368	6.74	9836	1.000	-0.059	0.136	0.071	0.134	275.704454	7.206741	1307.56	-1776
7	GUIDE	used	132401928	7.35	9765	1.000	-0.093	-0.140	0.080	0.139	275.575114	7.548927	2104.38	-730

2.4 Star Slots

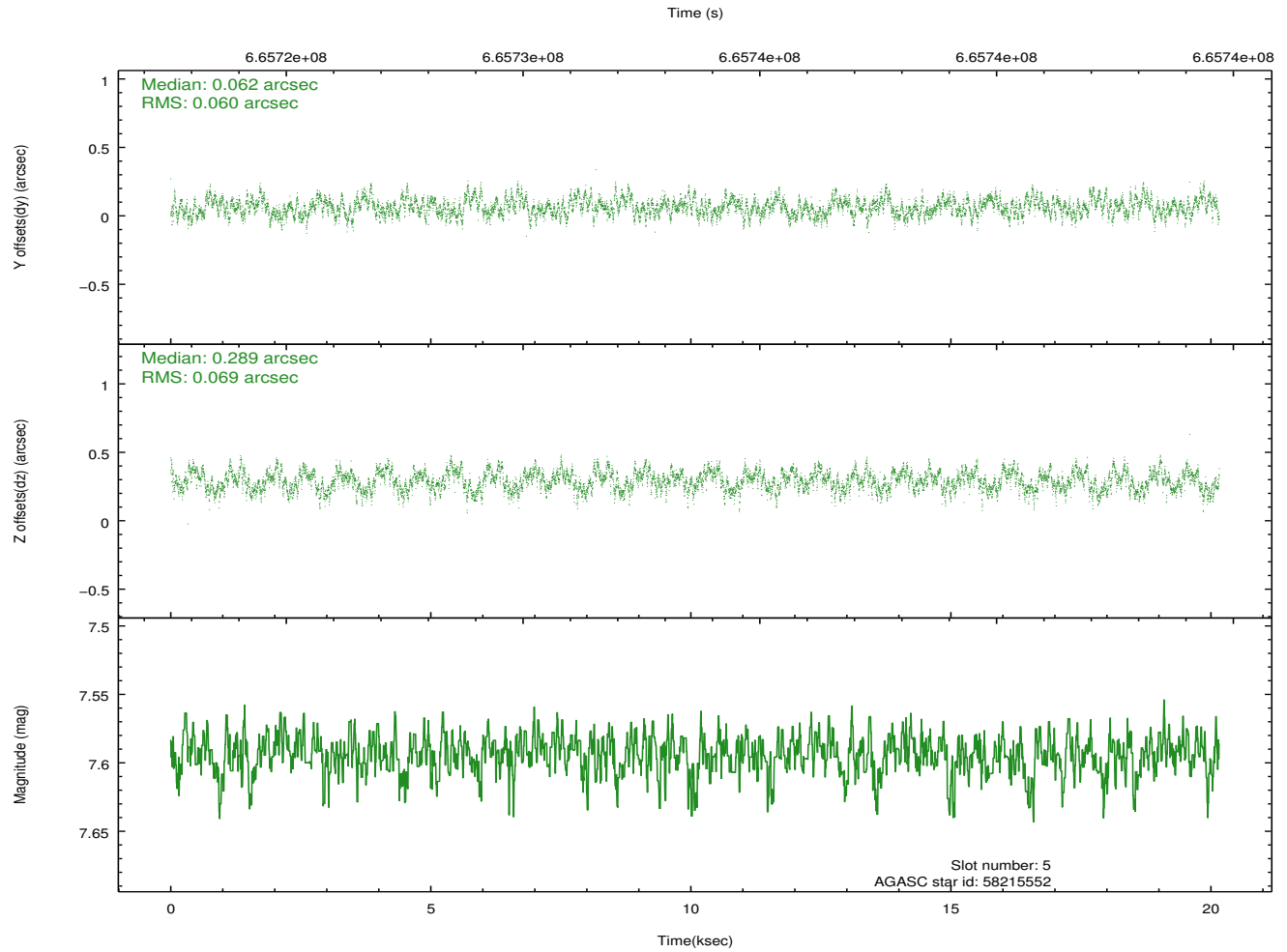
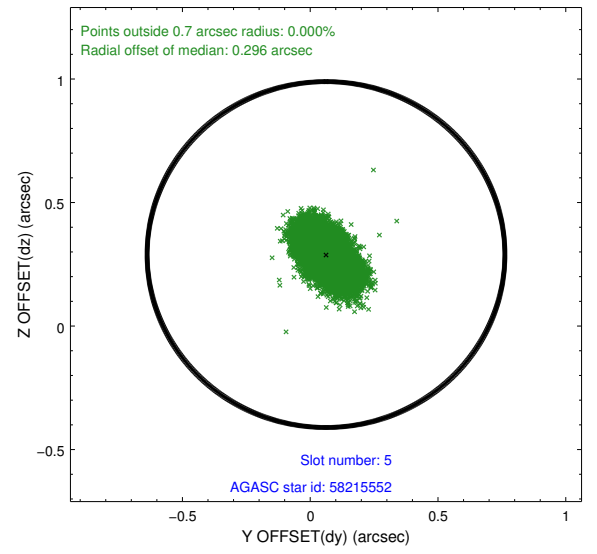
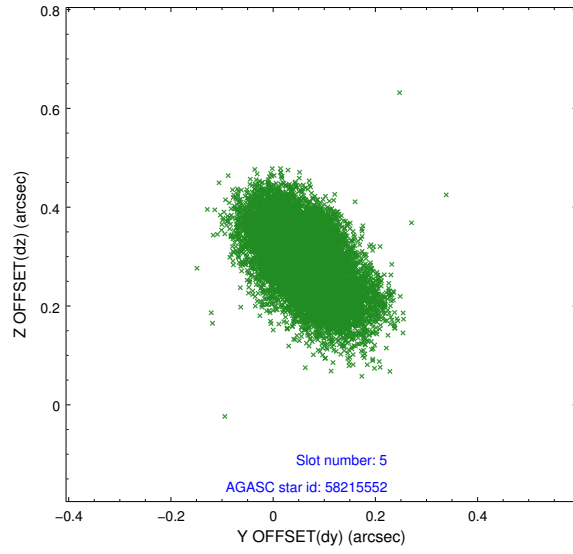
2.4.1 Slot 3



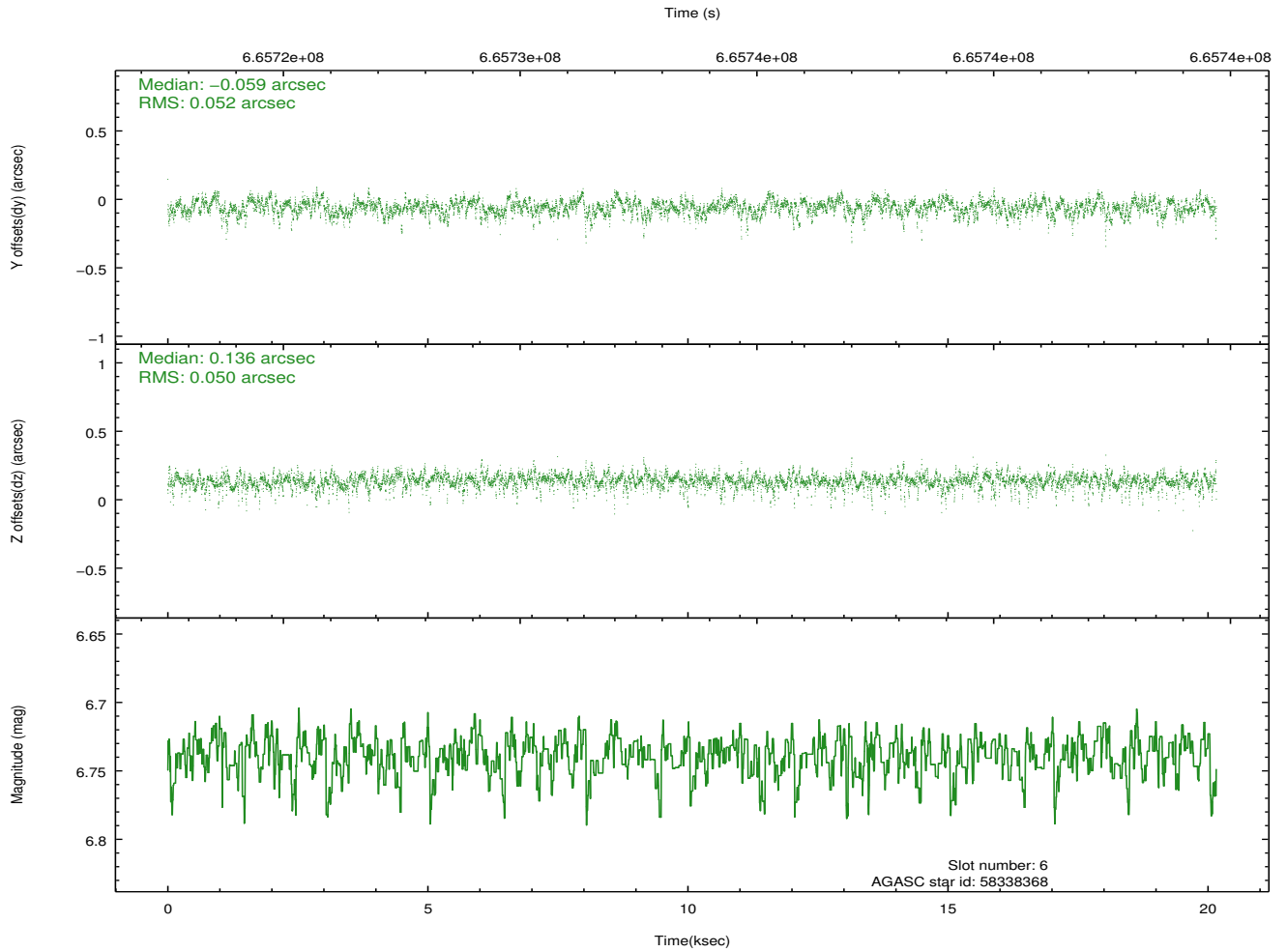
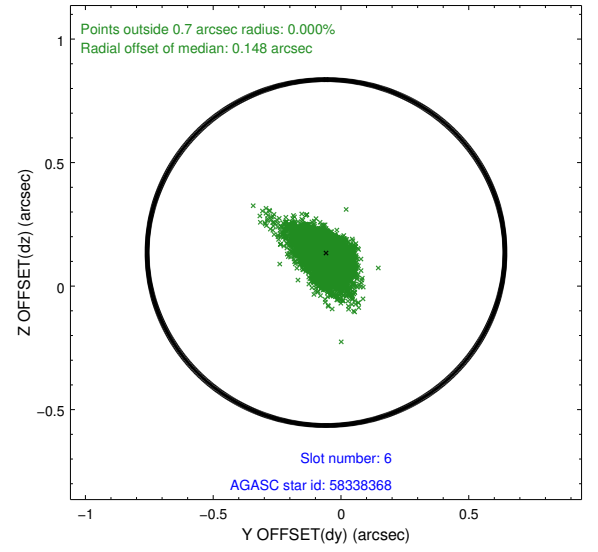
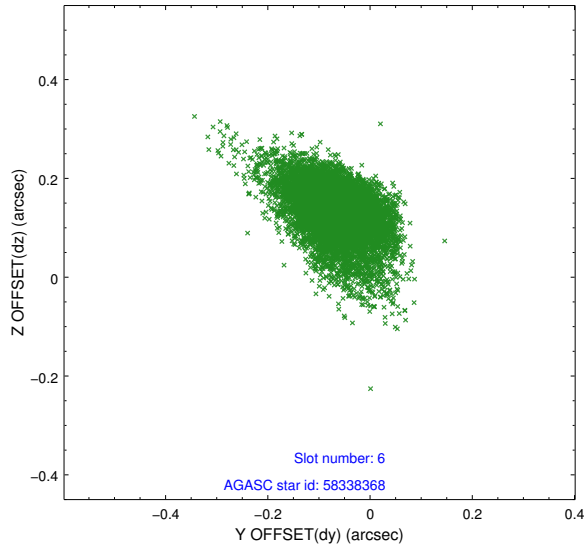
2.4.2 Slot 4



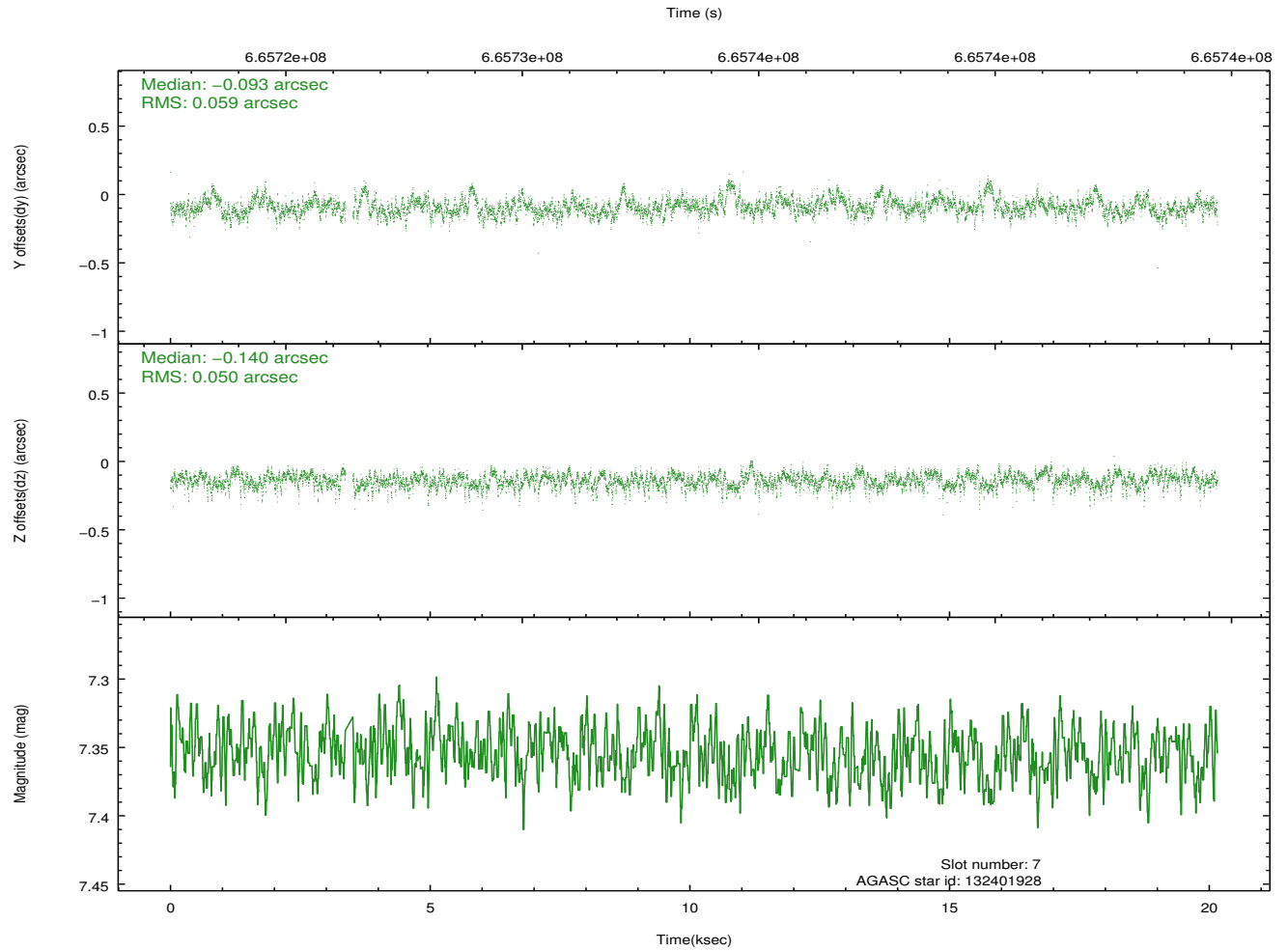
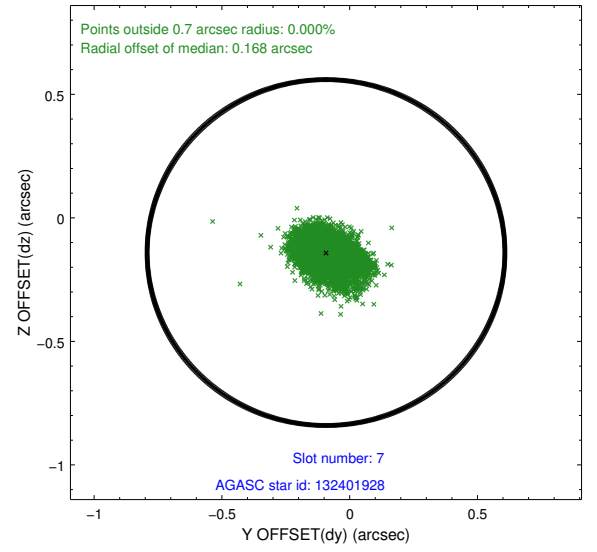
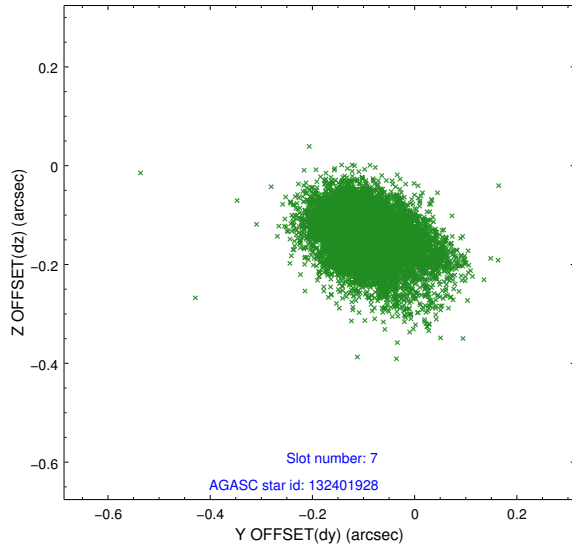
2.4.3 Slot 5



2.4.4 Slot 6

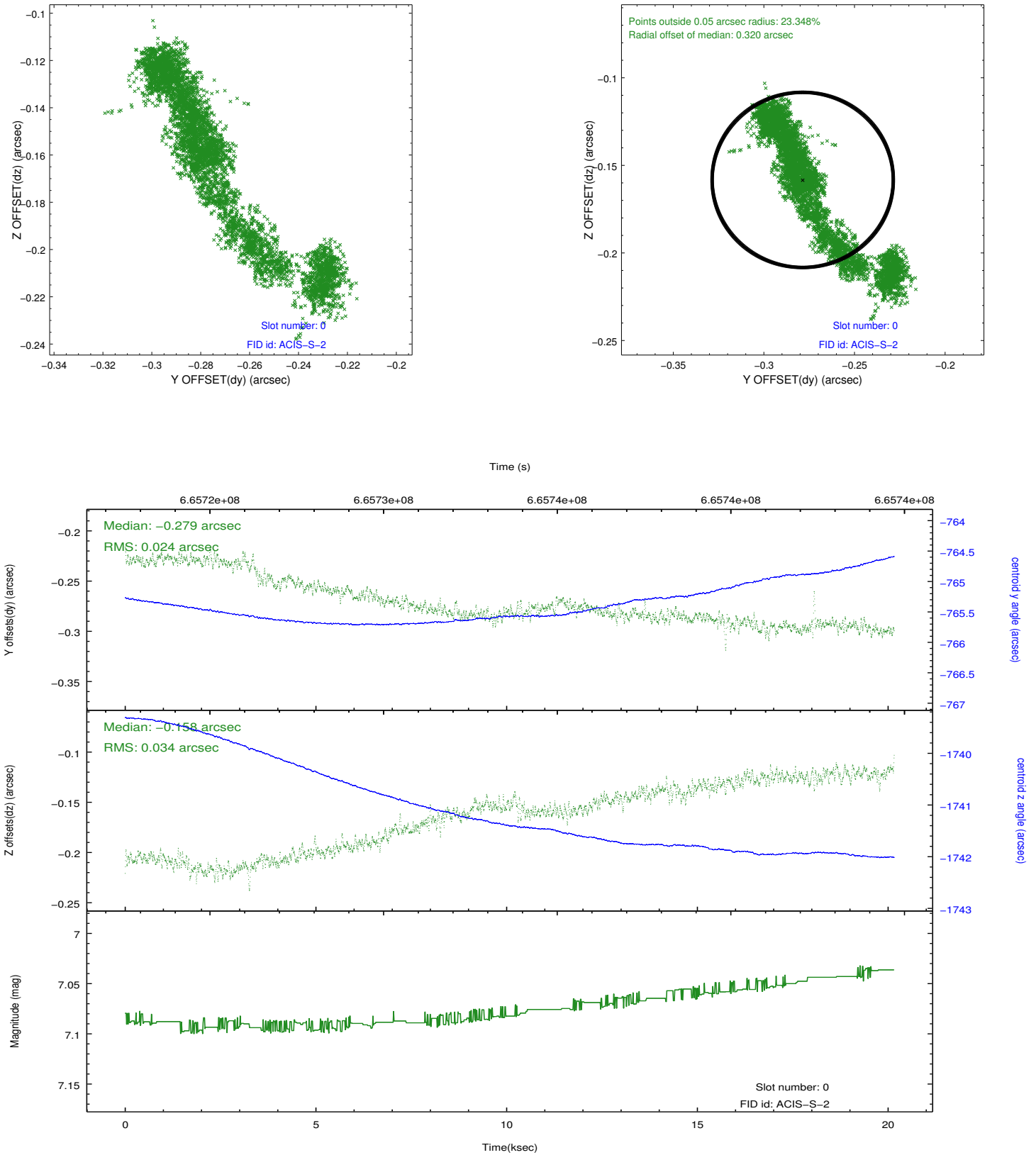


2.4.5 Slot 7

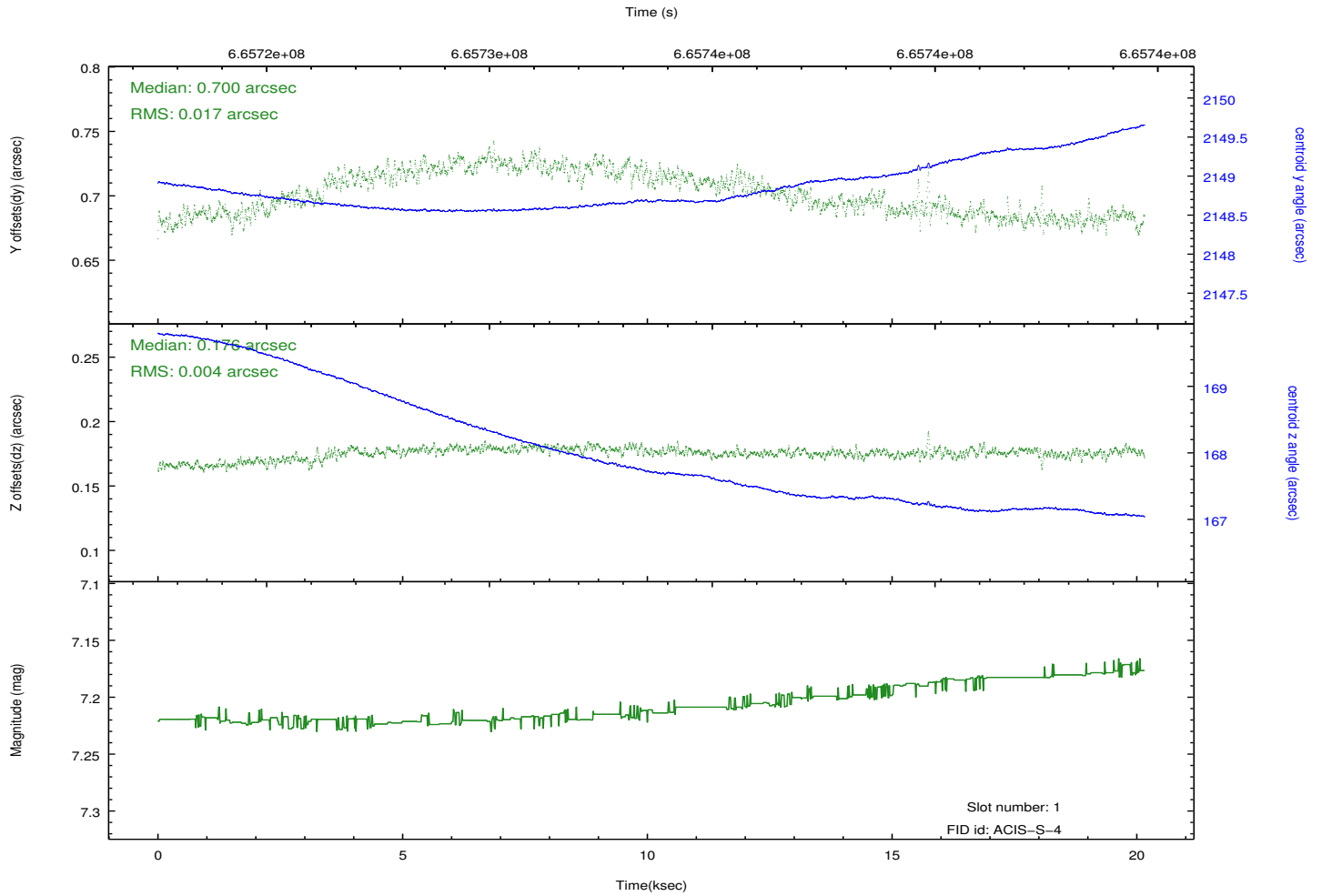
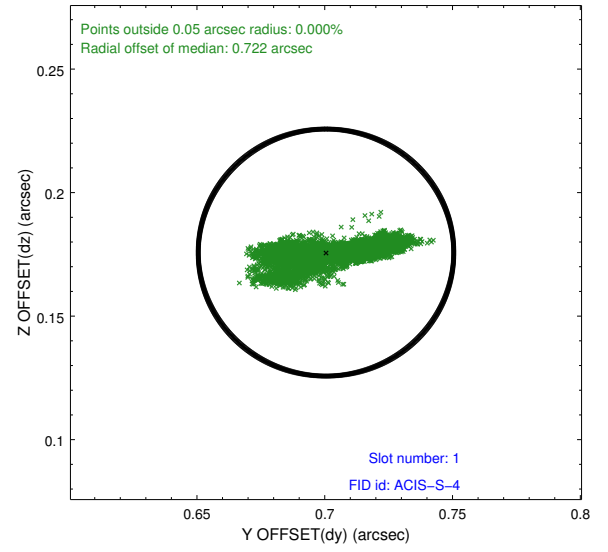
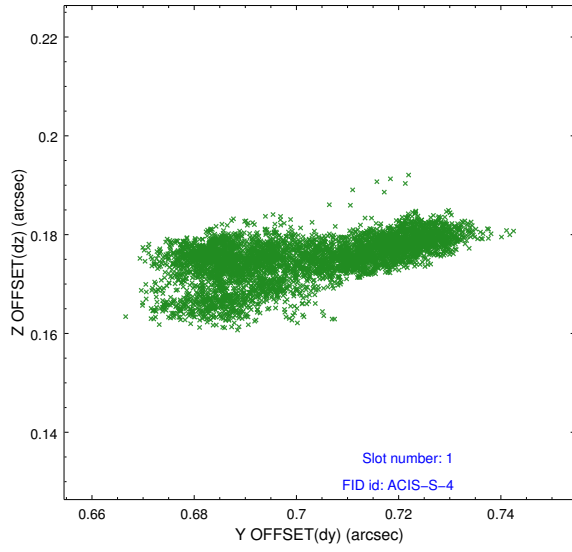


2.5 FID Slots

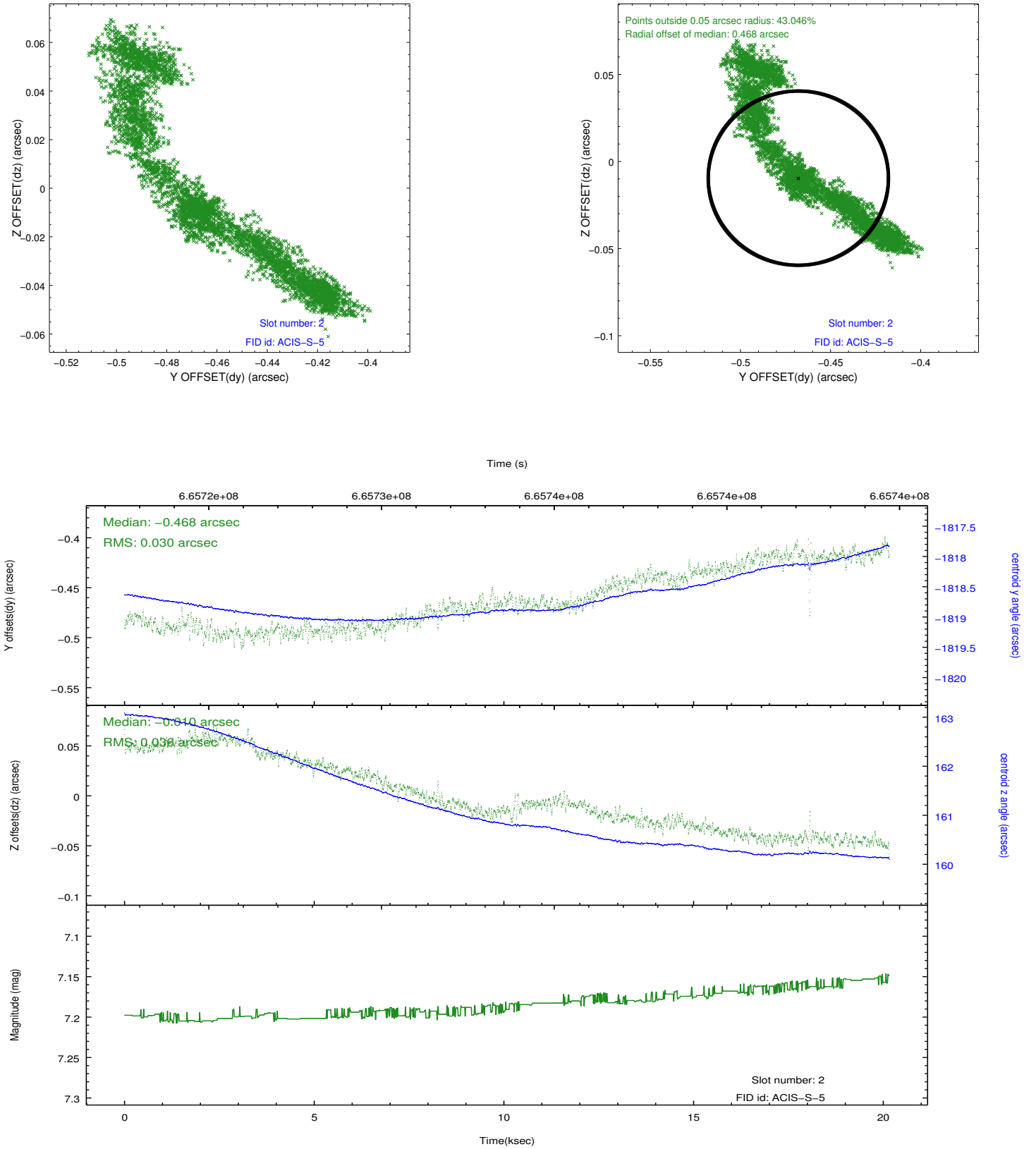
2.5.1 Slot 0



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)	2019.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.060770632863

A.2 Comments

Joint proposal with NRAO.