

V&V Reference Report

L2 ASCDS Version : 10.7

Observation 20207 - L2 Version 1
Chandra X-Ray Center

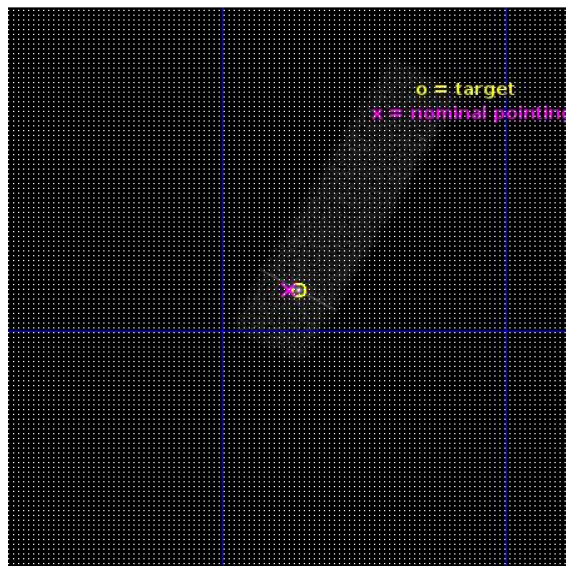
L2 Processing Date : Nov 14 2018

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1 Front

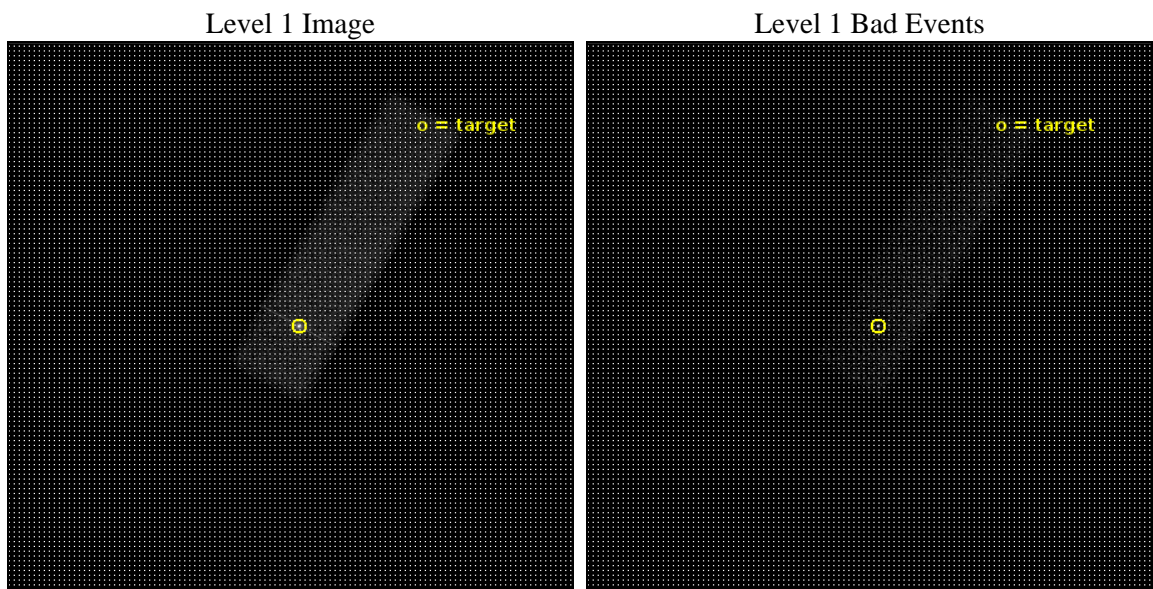
seq_num	401934	Sequence number
obs_id	20207	Observation id
title	X-Ray Jets in Microquasars	Proposal title
observer	Stephane CORBEL	Principal investigator
object	MAXI J1820+070	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	275.09125	Observer's specified target RA [deg]
dec_targ	7.185333	Observer's specified target Dec [deg]
ra_nom	275.09528781961	Nominal RA [deg]
dec_nom	7.1853927625643	Nominal Dec [deg]
roll_nom	299.61326080336	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30059.998208284	Sum of GTIs [s]
livetime	28593.16865622	Livetime [s]
ontime7	30059.998208284	Sum of GTIs [s]
l2events	67223	Number of level 2 events



2 OBI

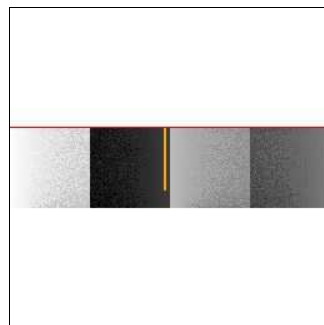
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.7	Processing system revision	ontime	30059.998208284	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime7	30059.998208284	Sum of GTIs [s]
date	2018-11-14T13:43:35	Date and time of file creation	l1events	120884	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

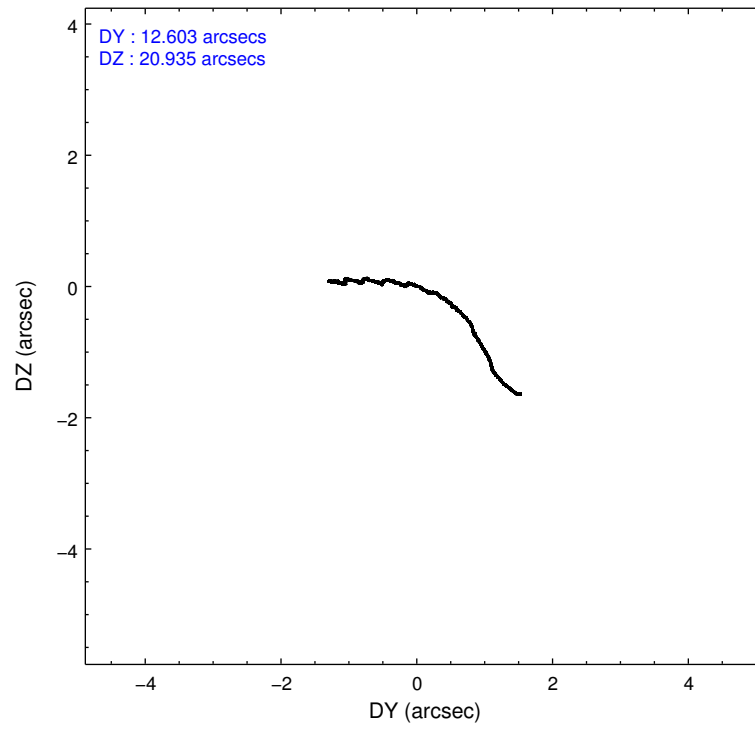
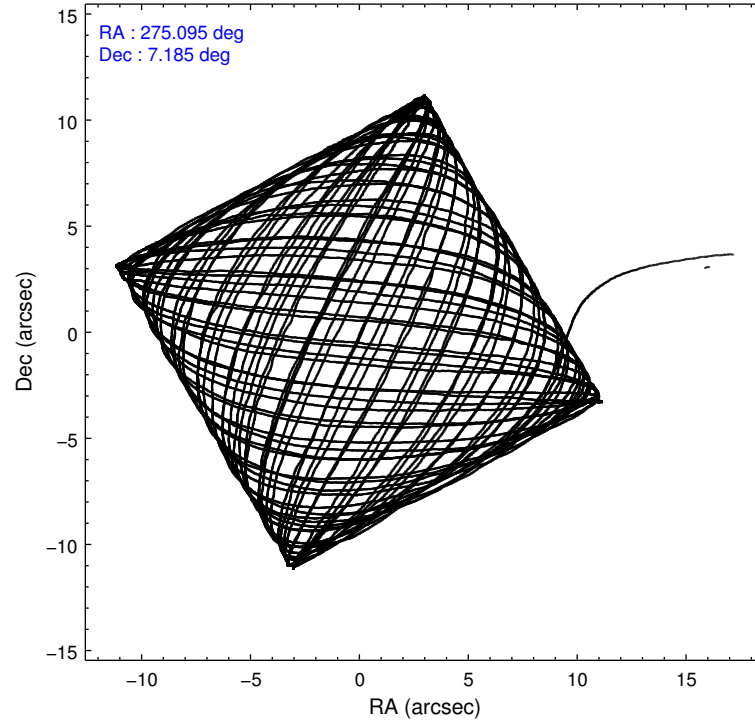
	ccd 7
level 1 events	120884
rejected events	52406
rejected %	43%

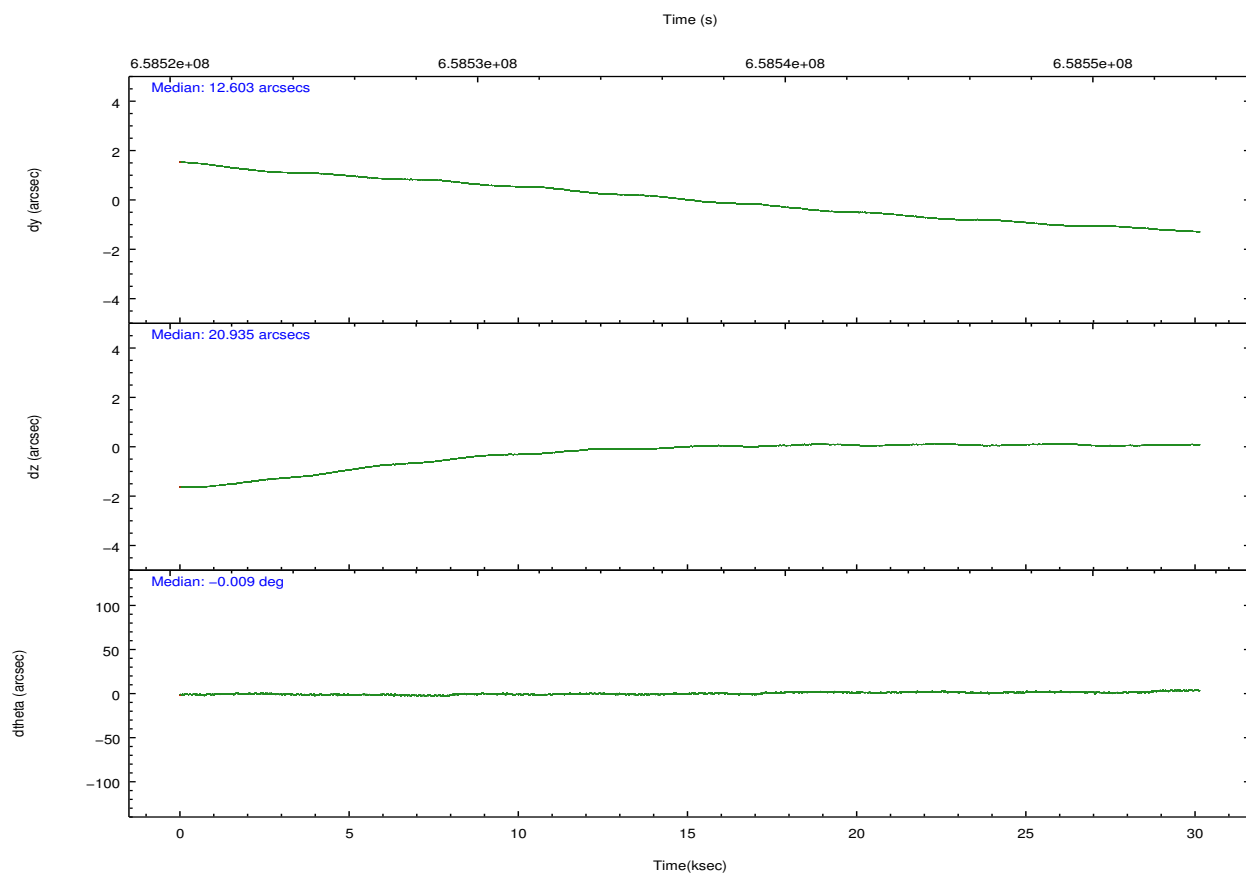
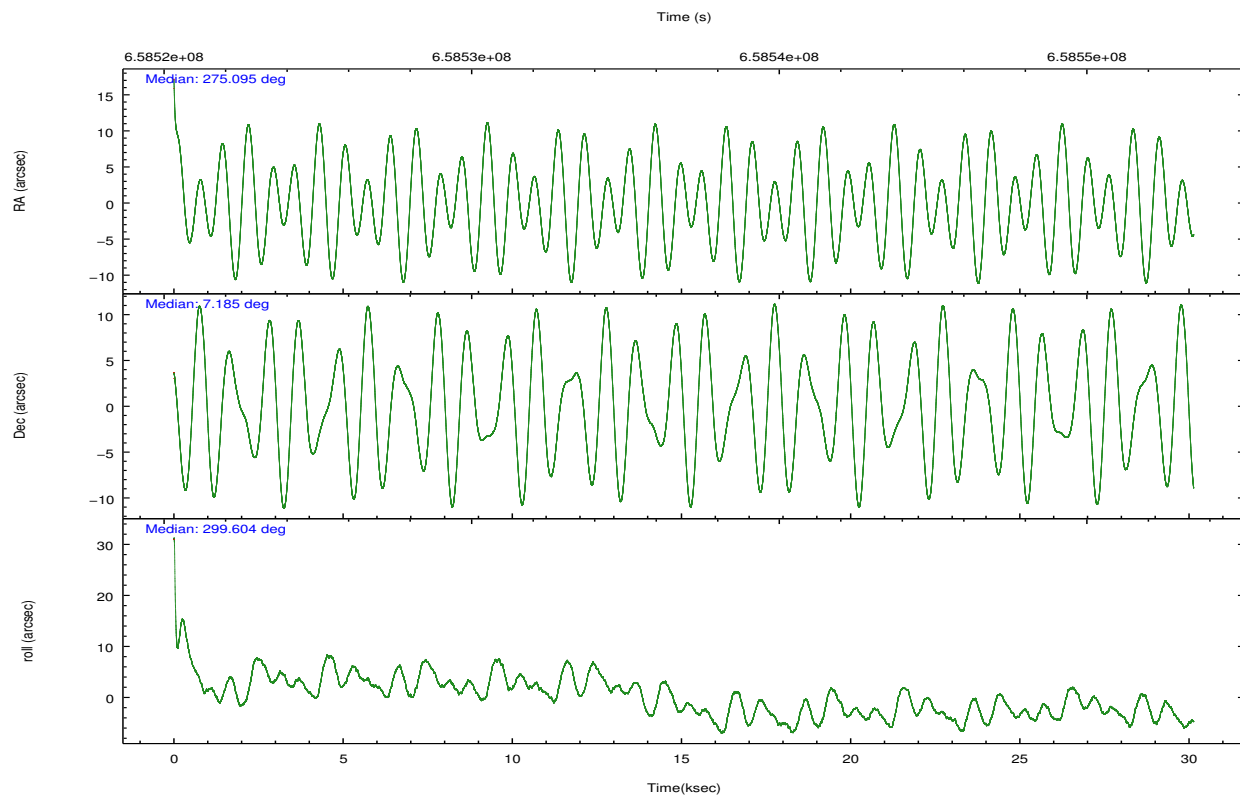
	ccd 7
grade 0 events	9464
	7%
grade 1 events	952
	0%
grade 2 events	14649
	12%
grade 3 events	7257
	6%
grade 4 events	7029
	5%
grade 5 events	11584
	9%
grade 6 events	30082
	24%
grade 7 events	39867
	32%

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	275.071236	275.095287819606	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	7.198955	7.18539276256427	Subarray start row	385	385
[deg] Pointing Roll	299.459635	299.6132608033574	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)	658521957.184000	658520666.43875			
Observation start date	2018-11-13T18:44:48	2018-11-13T18:24:26			
[s] Observation end time (MET)	658551957.184000	658553040.55318			
Observation end date	2018-11-14T03:04:48	2018-11-14T03:24:00			
Read mode	TIMED	TIMED			

2.3 Aspect



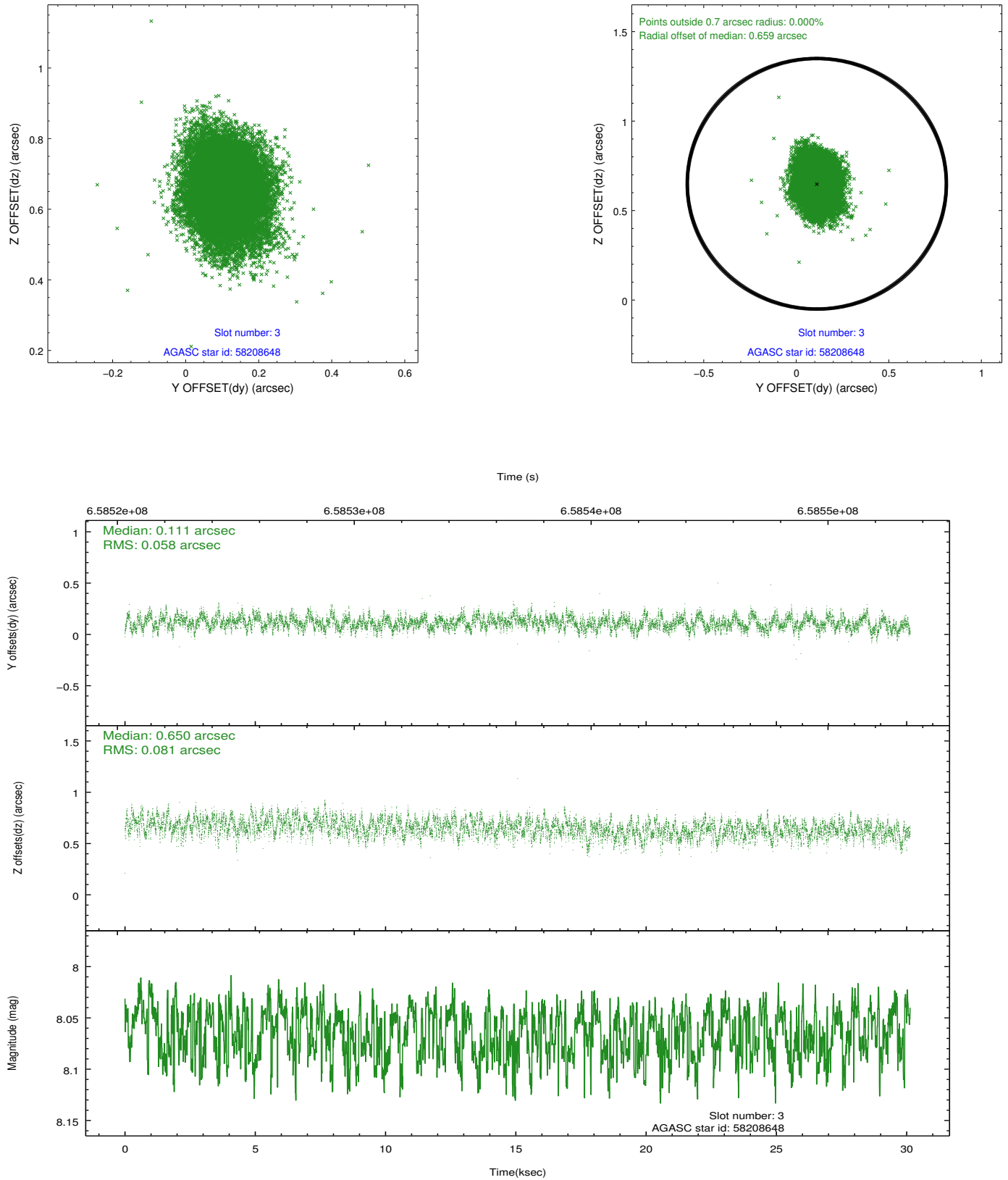


Slot Statistics

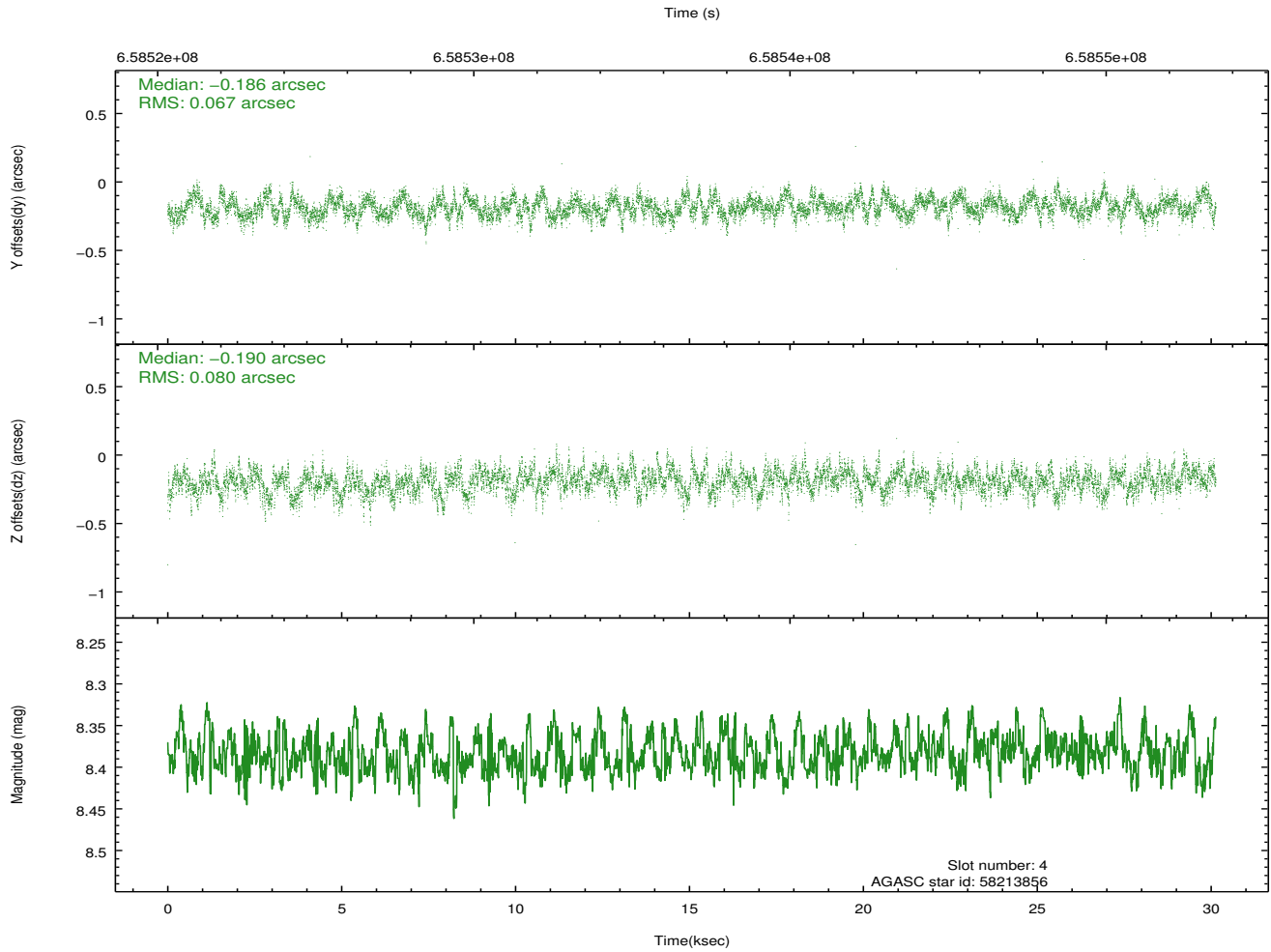
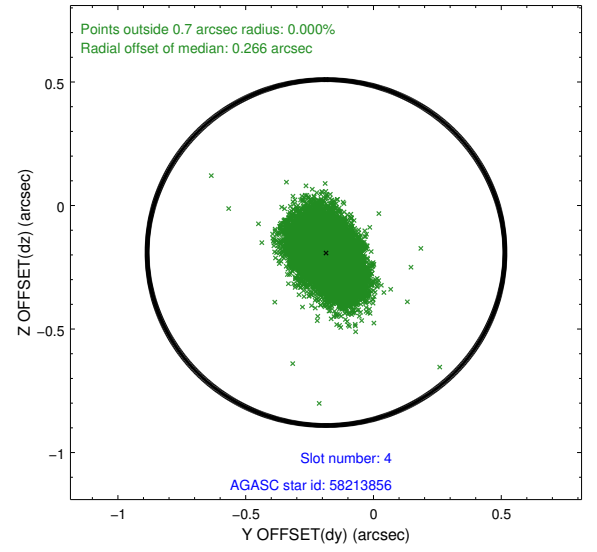
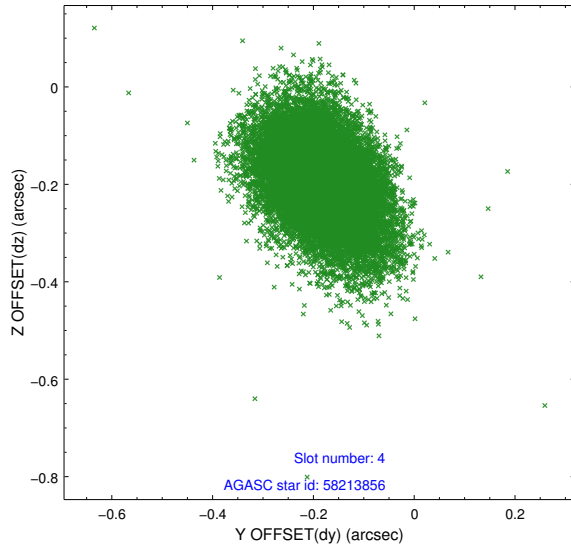
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.13	7350	1.000	0.018	-0.127	0.030	0.055	0.000000	0.000000	930.63	-1737
1	FID		ACIS-S-4	7.16	7348	1.000	0.567	0.090	0.048	0.068	0.000000	0.000000	2148.50	166
2	FID		ACIS-S-5	7.14	7348	1.000	-0.610	0.055	0.076	0.104	0.000000	0.000000	-1818.90	159
3	GUIDE	used	58208648	8.07	14696	1.000	0.111	0.650	0.105	0.173	274.402649	7.152383	-1029.39	-2160
4	GUIDE	used	58213856	8.39	14696	1.000	-0.186	-0.190	0.110	0.186	275.612553	7.226303	863.81	1732
5	GUIDE	used	58215552	7.58	14697	1.000	-0.095	0.127	0.118	0.190	275.048740	7.069088	367.88	-299
6	GUIDE	used	132401928	7.35	14695	1.000	-0.230	-0.118	0.126	0.208	275.575114	7.548927	-213.79	2183
7	GUIDE	used	58205920	8.99	14675	1.000	0.390	-0.461	0.228	0.414	274.867260	6.306052	2440.83	-2216

2.4 Star Slots

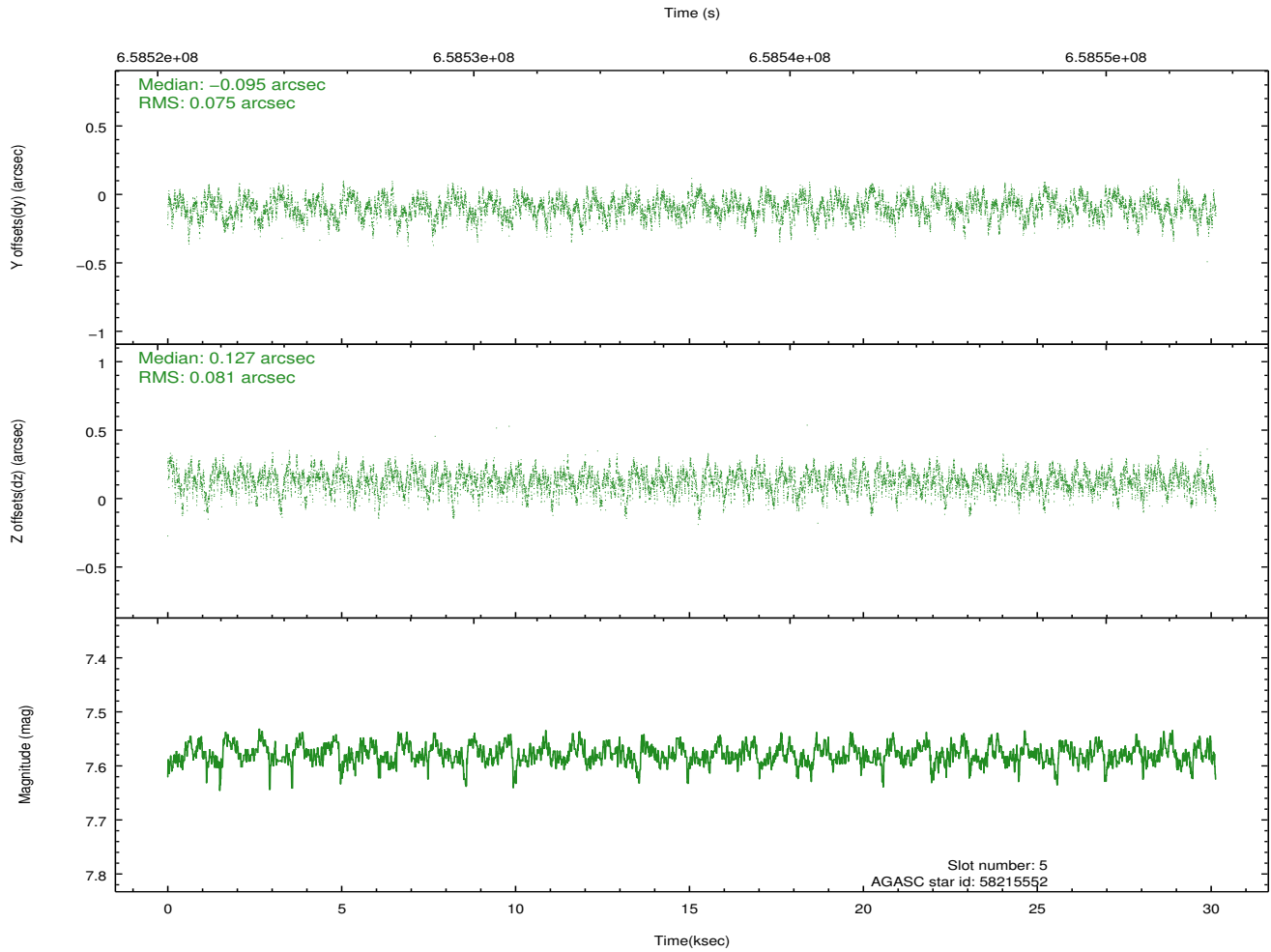
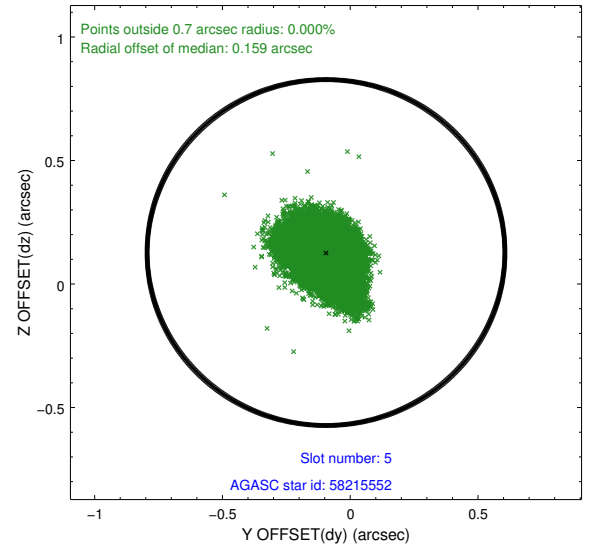
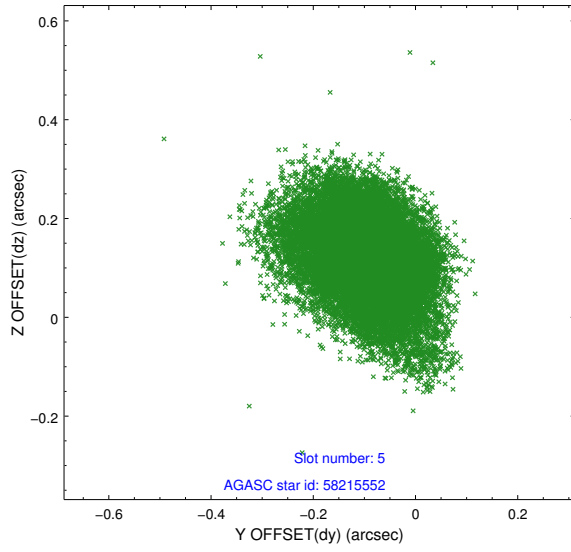
2.4.1 Slot 3



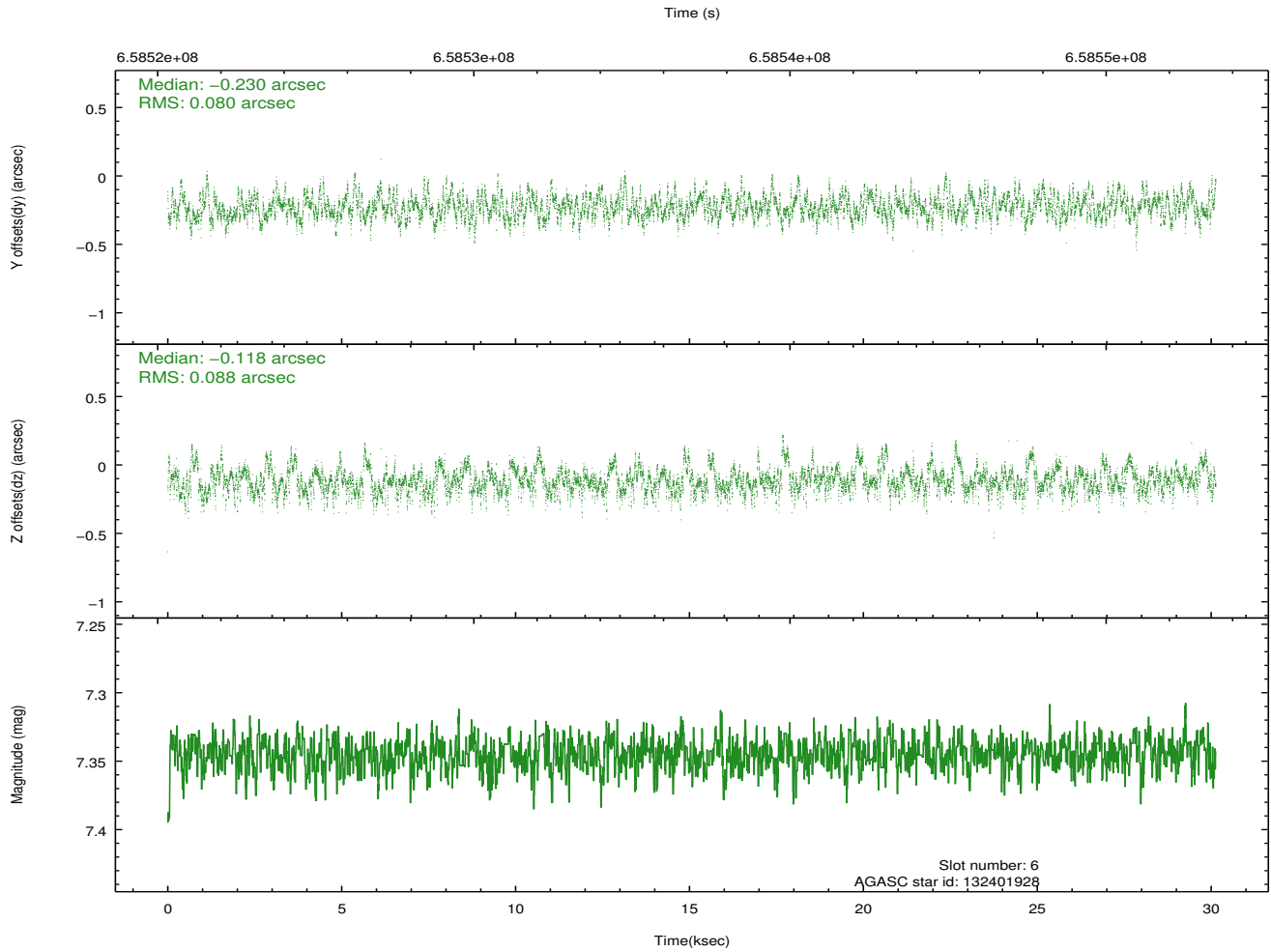
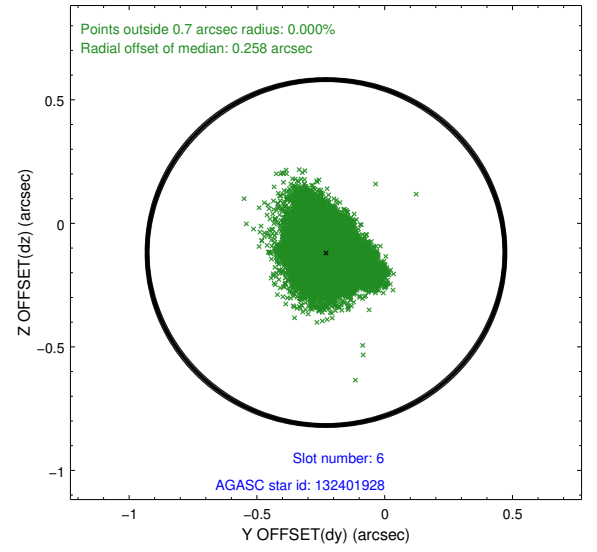
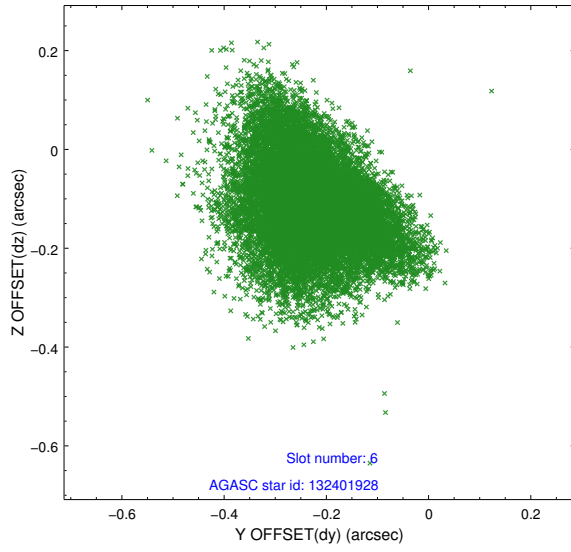
2.4.2 Slot 4



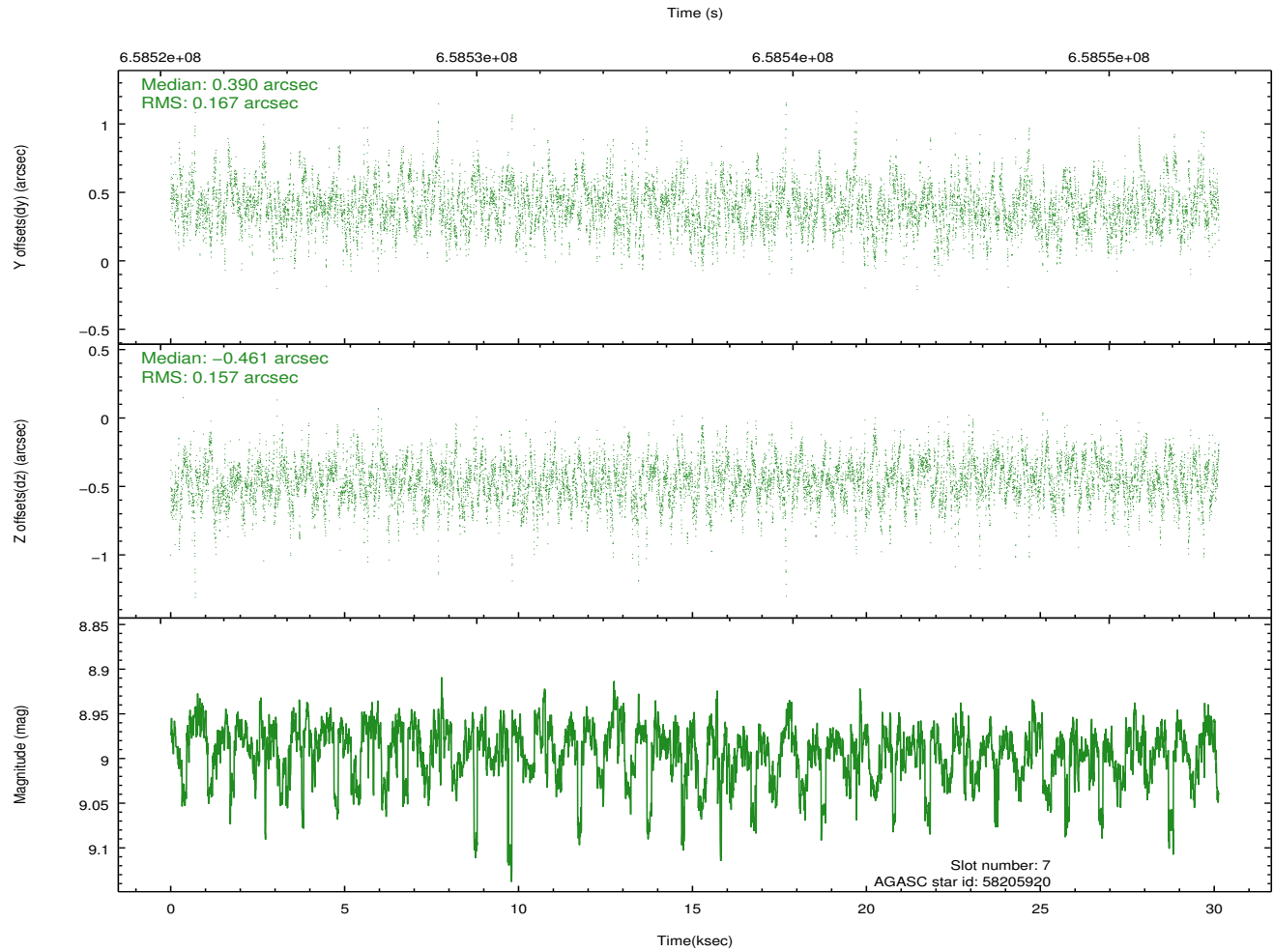
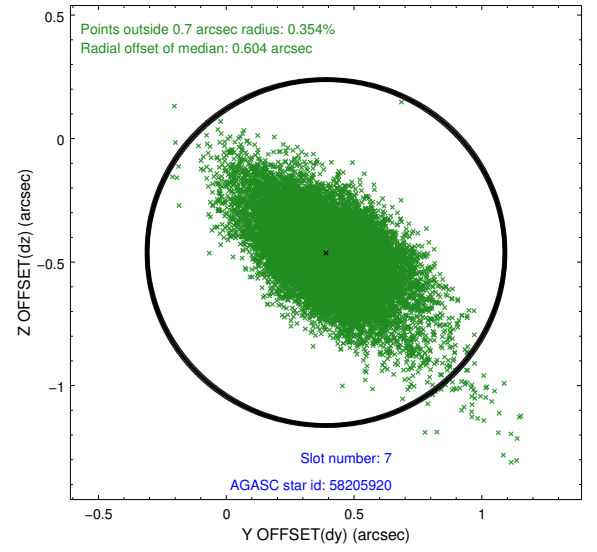
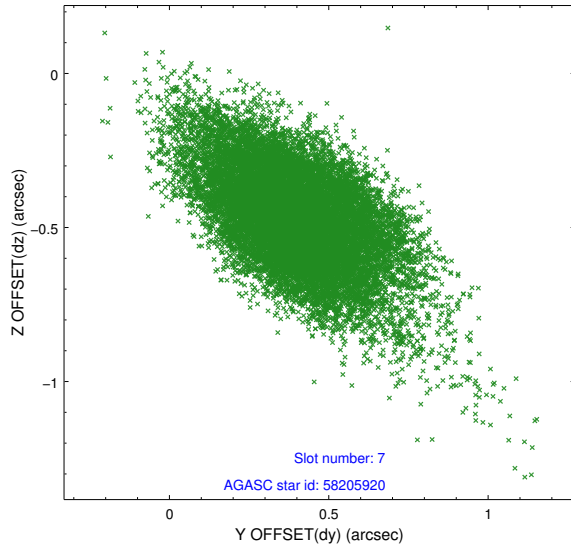
2.4.3 Slot 5



2.4.4 Slot 6

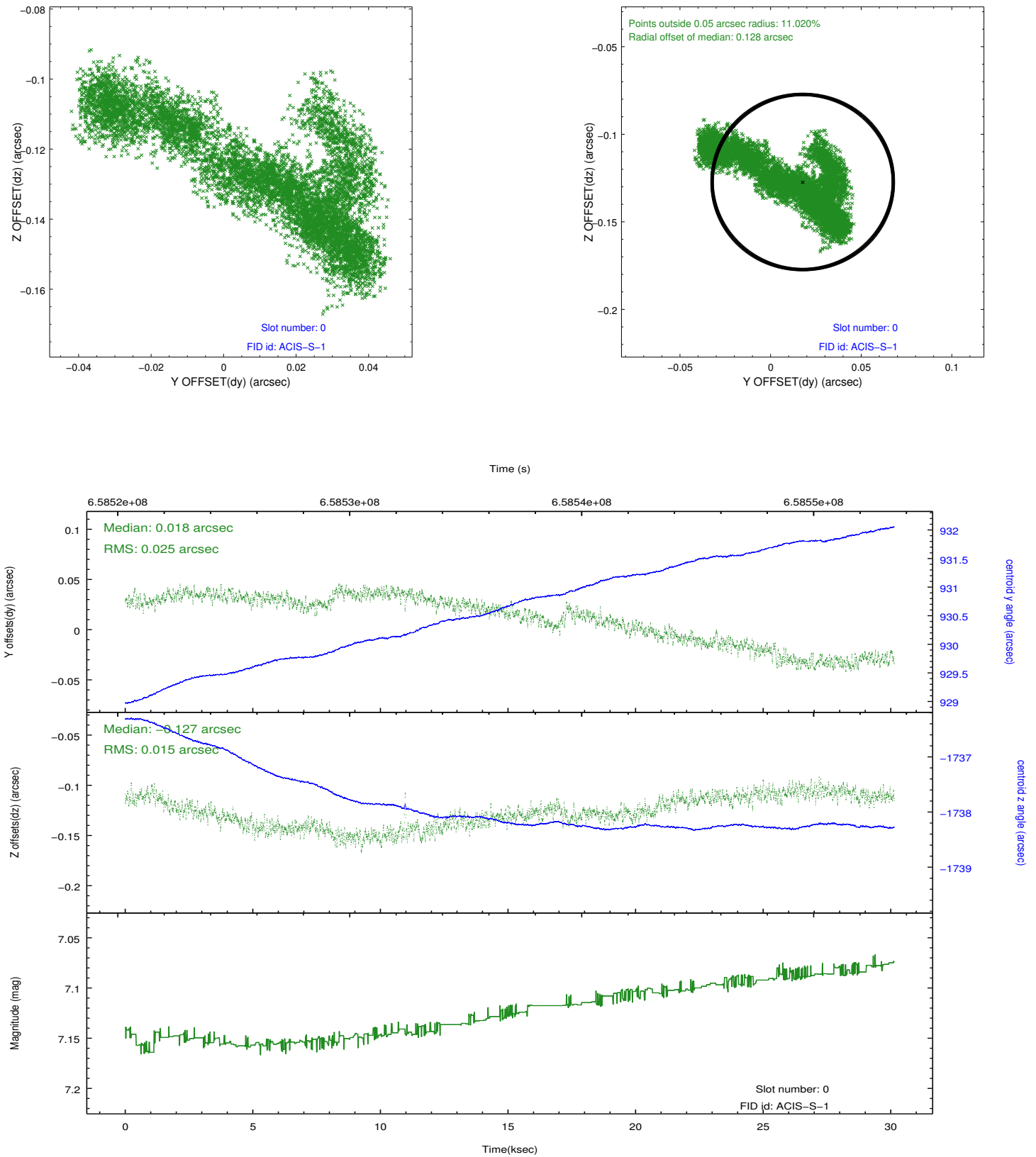


2.4.5 Slot 7

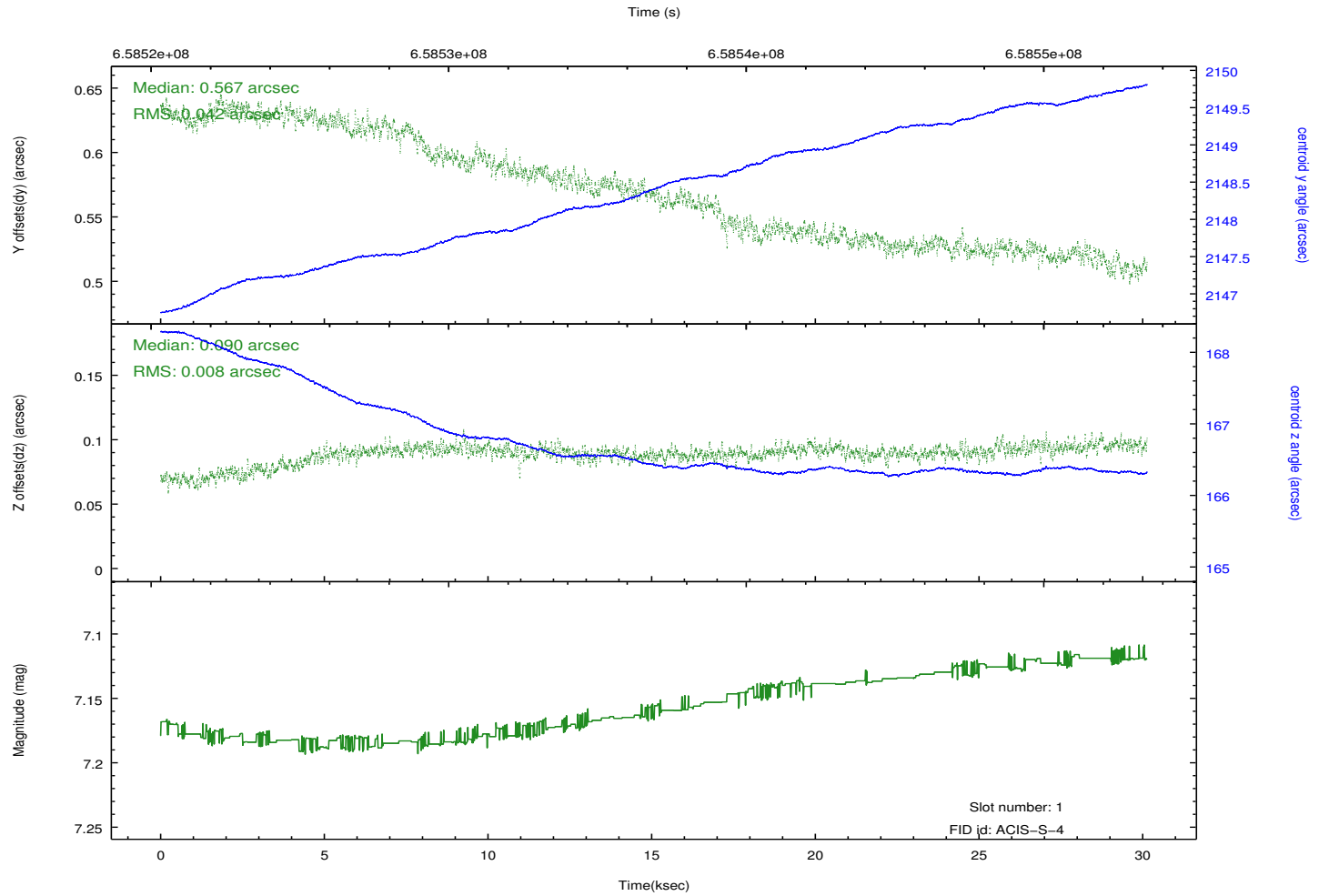
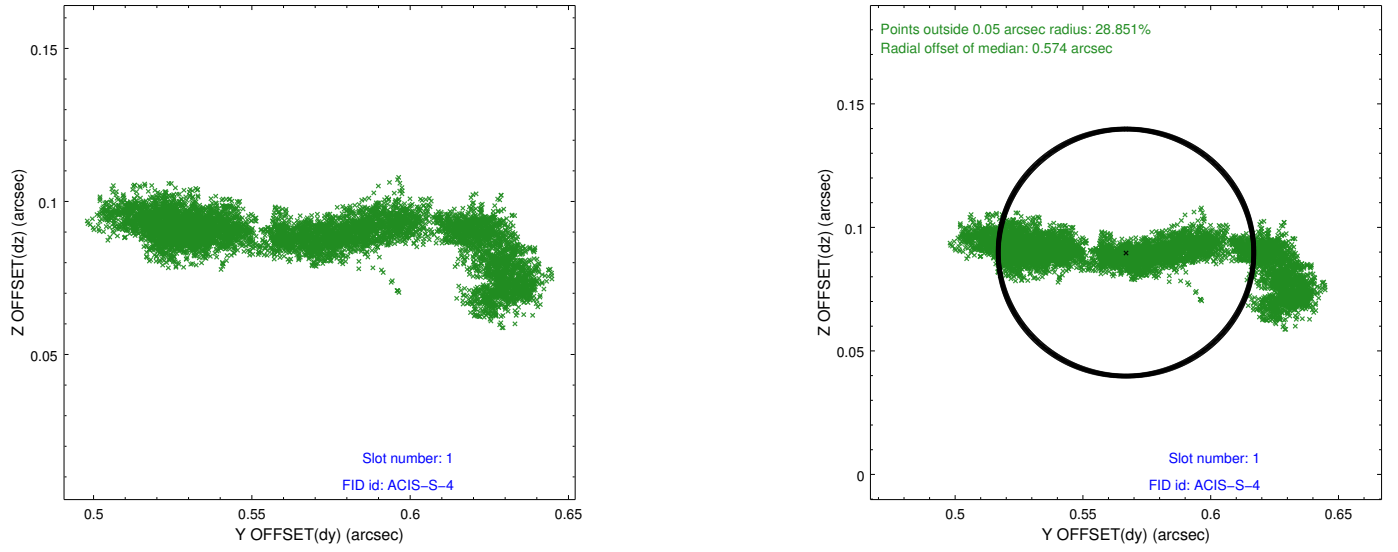


2.5 FID Slots

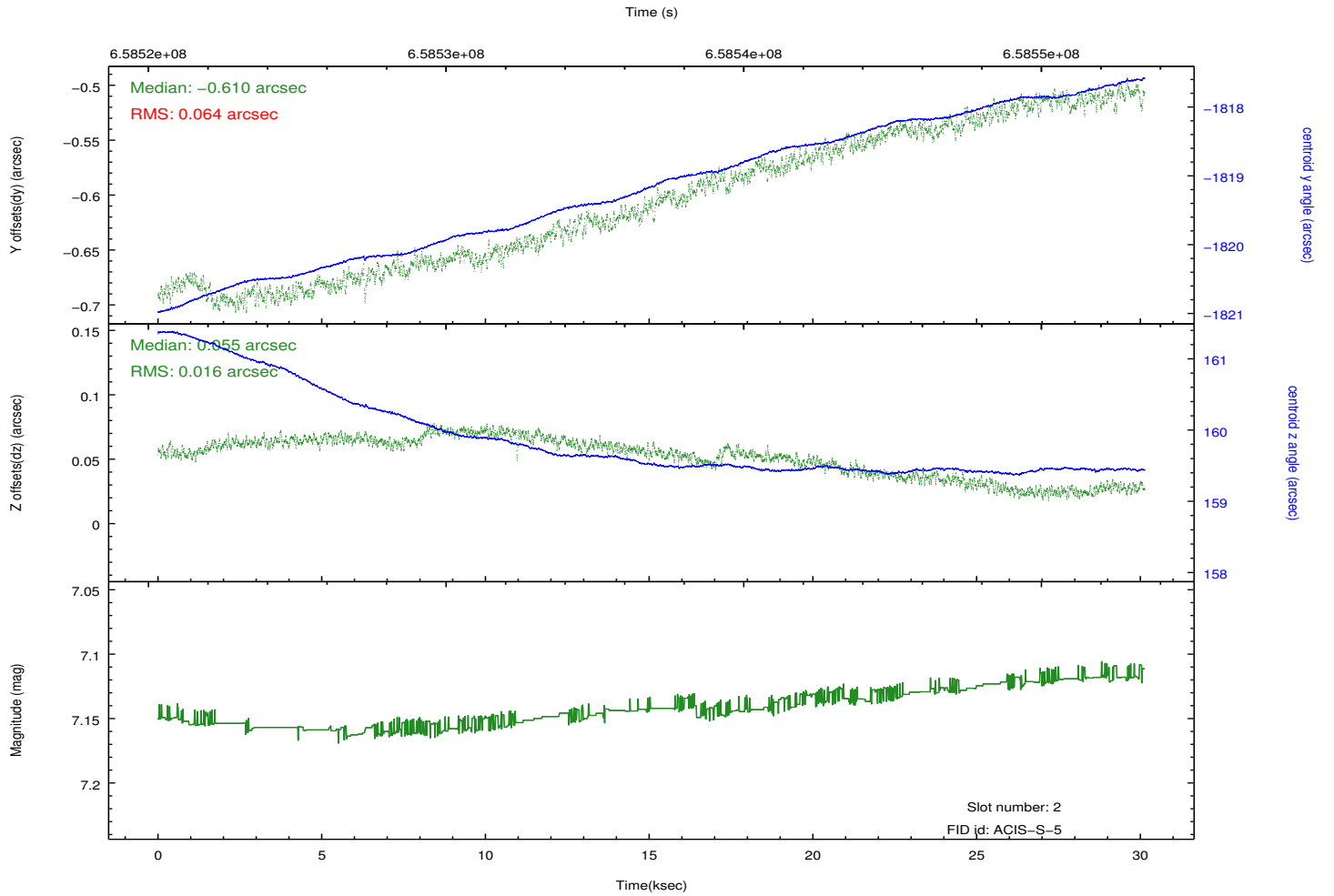
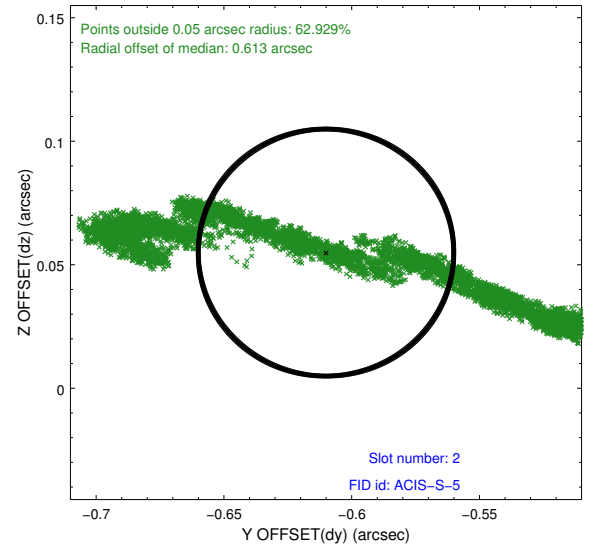
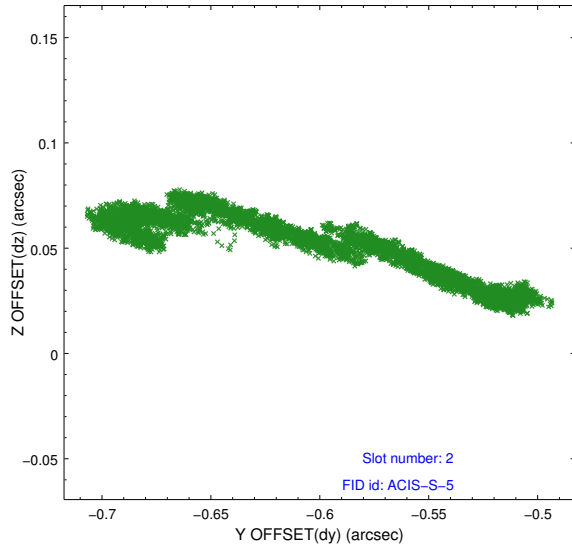
2.5.1 Slot 0



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)	2018.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.059998208284

A.2 Comments

Joint proposal with NRAO.