

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13435 - L2 Version 1
Chandra X-Ray Center

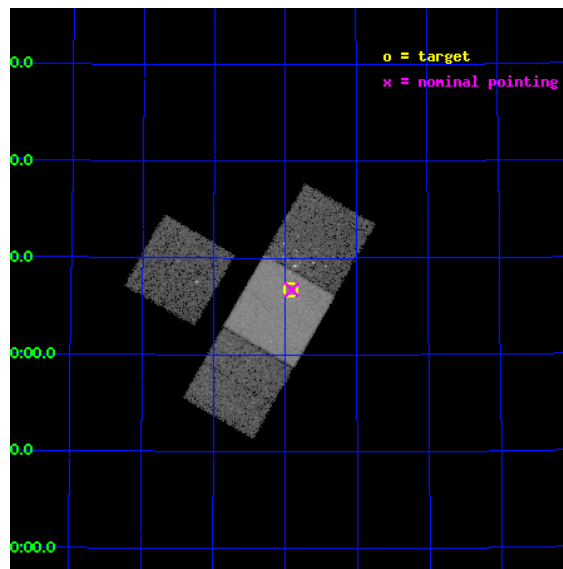
L2 Processing Date : May 22 2012

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1 Front

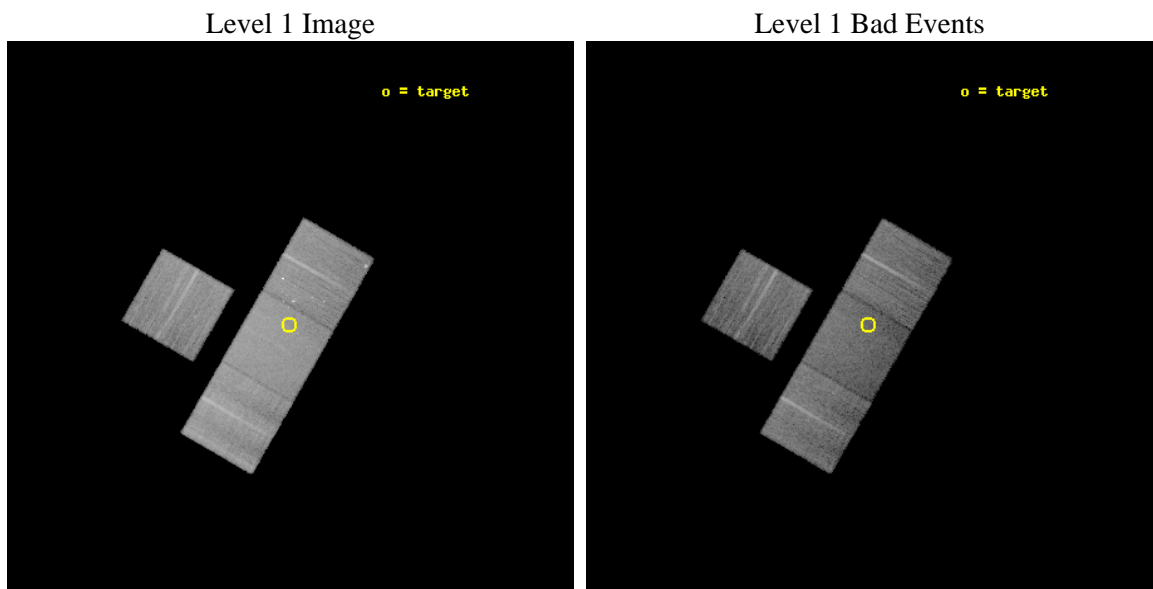
seq_num	501564	Sequence number
obs_id	13435	Observation id
title	Understanding A New Class of Mid-IR Transients	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	NGC 6946	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	308.73309	Observer's specified target RA [deg]
dec_targ	60.112064	Observer's specified target Dec [deg]
ra_nom	308.72700926897	Nominal RA [deg]
dec_nom	60.112231365569	Nominal Dec [deg]
roll_nom	119.96190699217	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20706.980127752	Sum of GTIs [s]
livetime	20436.428188126	Livetime [s]
ontime3	20706.898047745	Sum of GTIs [s]
ontime6	20706.939087749	Sum of GTIs [s]
ontime7	20706.980127752	Sum of GTIs [s]
ontime8	20706.857007742	Sum of GTIs [s]
l2events	115898	Number of level 2 events



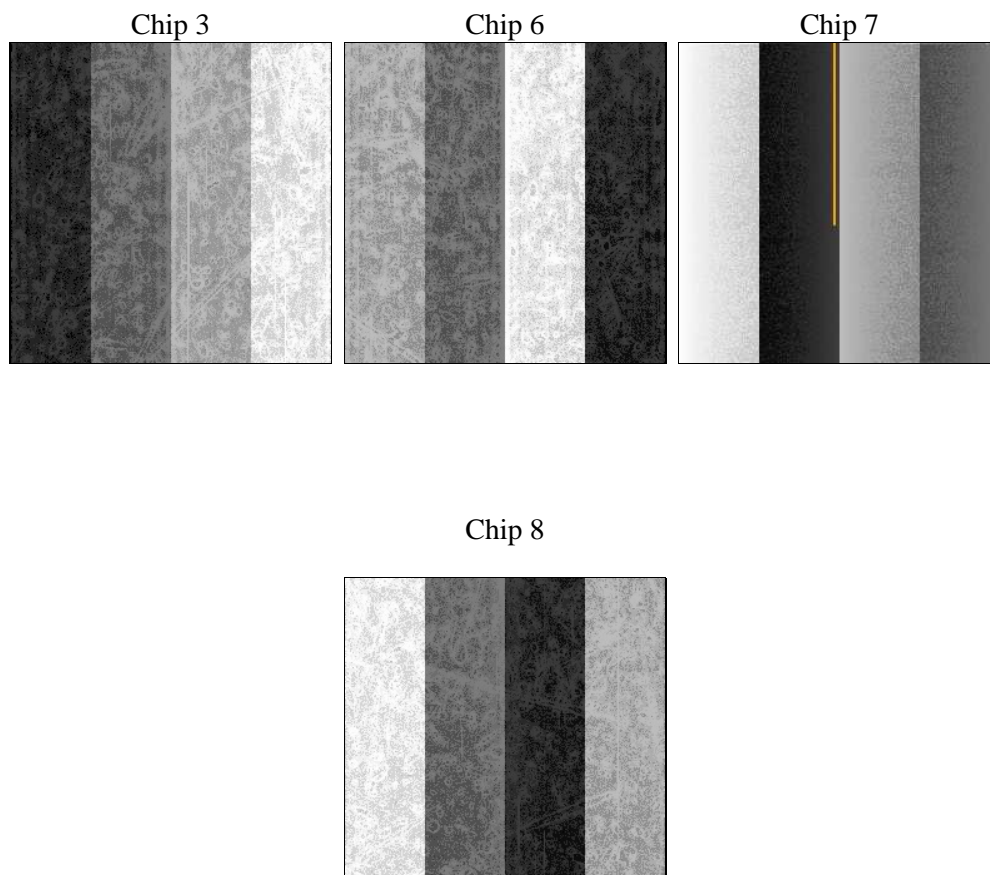
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20636.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	20706.980127752	Sum of GTIs [s]
caldbver	4.4.9	 	ontime3	20706.898047745	Sum of GTIs [s]
date	2012-05-22T12:50:28	Date and time of file creation	ontime6	20706.939087749	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	20706.980127752	Sum of GTIs [s]
			ontime8	20706.857007742	Sum of GTIs [s]
			l1events	577493	Number of level 1 events

2.1.4 Events

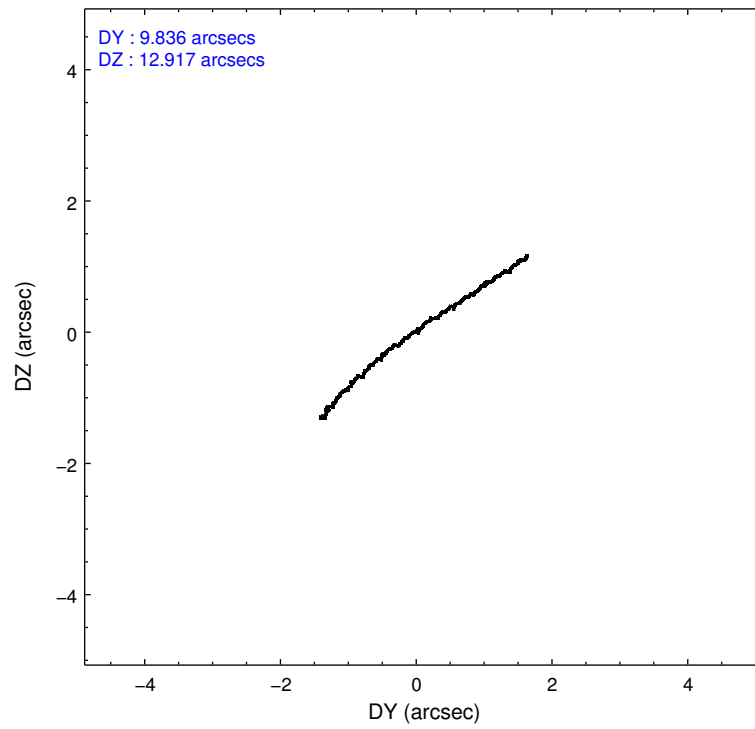
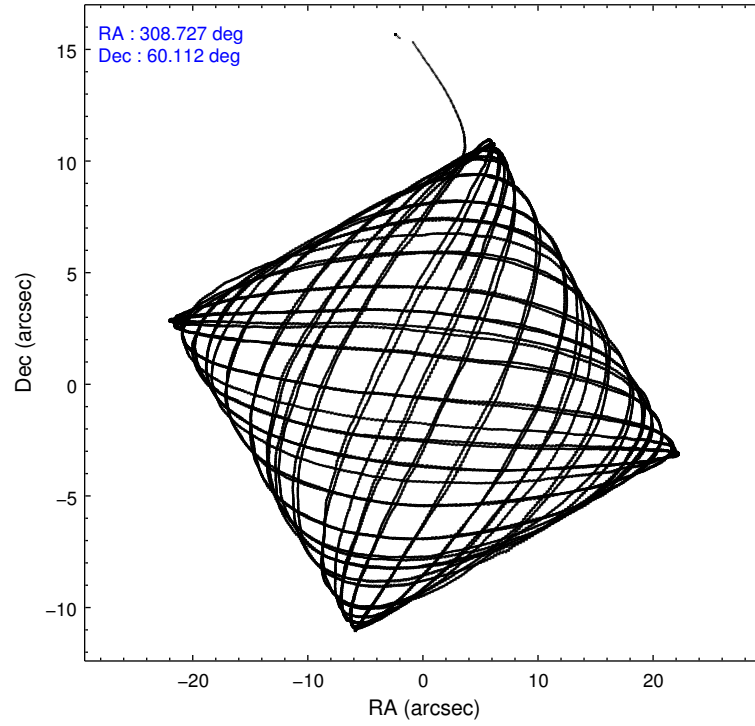
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	119176	130777	161142	166398
rejected events	105816	110467	88941	120105
rejected %	88%	84%	55%	72%

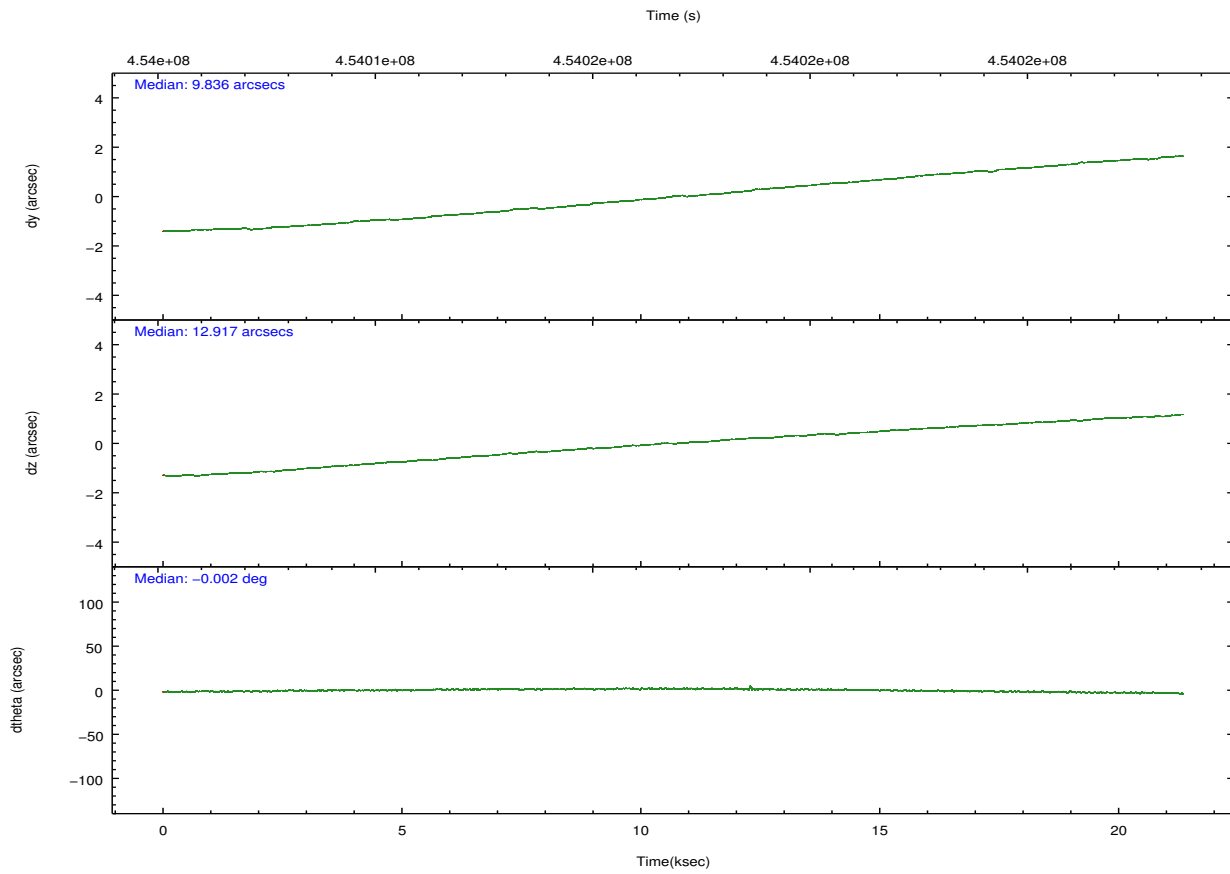
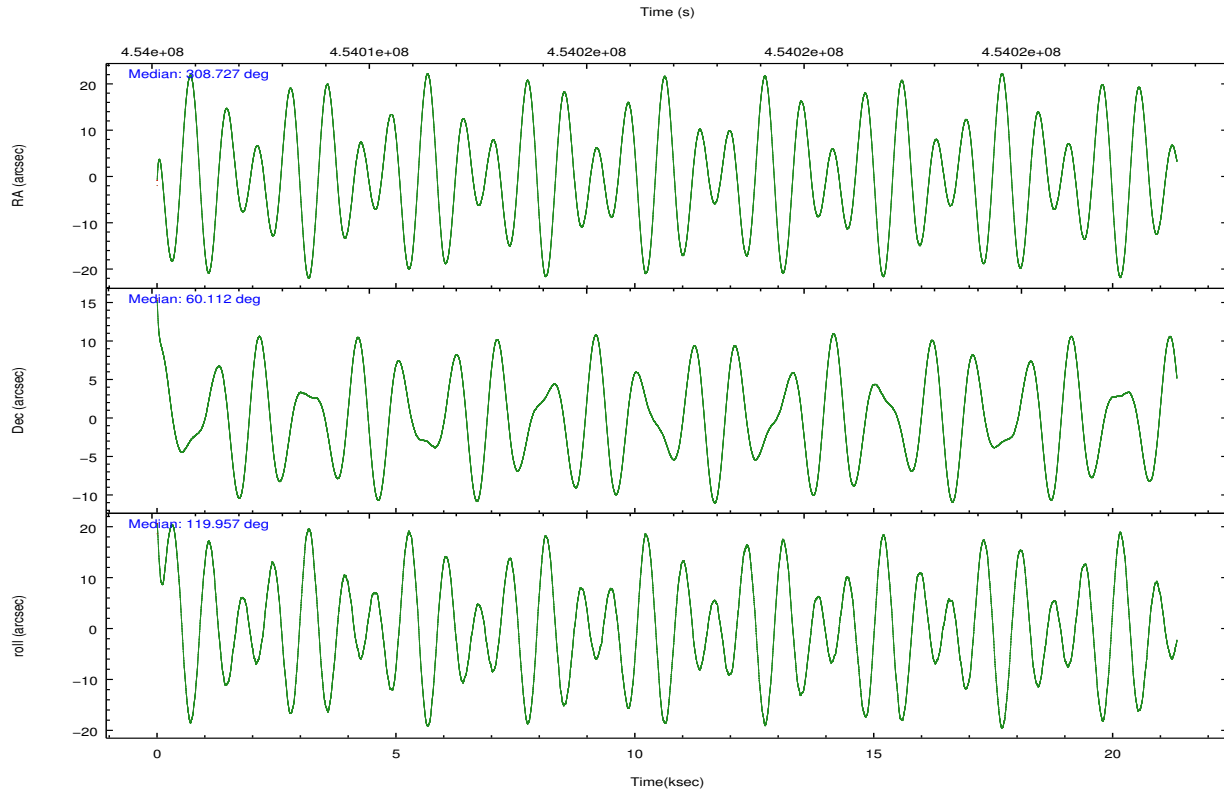
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4774	9138	6571	14043
	4%	6%	4%	8%
grade 1 events	83	87	203	140
	0%	0%	0%	0%
grade 2 events	2992	4516	14718	10501
	2%	3%	9%	6%
grade 3 events	1440	1644	6341	5163
	1%	1%	3%	3%
grade 4 events	1450	1645	6310	4857
	1%	1%	3%	2%
grade 5 events	6154	6084	16576	9001
	5%	4%	10%	5%
grade 6 events	2709	3375	38278	11748
	2%	2%	23%	7%
grade 7 events	99574	104288	72145	110945
	83%	79%	44%	66%

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	308.774875	308.7270092689728	CCD I2 on	N	N
[deg] Pointing Dec	60.098818	60.11223136556931	CCD I3 on	O2	Y
[deg] Pointing Roll	119.763779	119.9619069921694	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	O1	Y
[s] Observation start time (MET)	454006885.184000	454004563.76953	CCD S5 on	N	N
Observation start date	2012-05-21T17:00:19	2012-05-21T16:22:43	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	454027521.184000	454028586.18331	On-chip summing requested	N	N
Observation end date	2012-05-21T22:44:15	2012-05-21T23:03:06	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





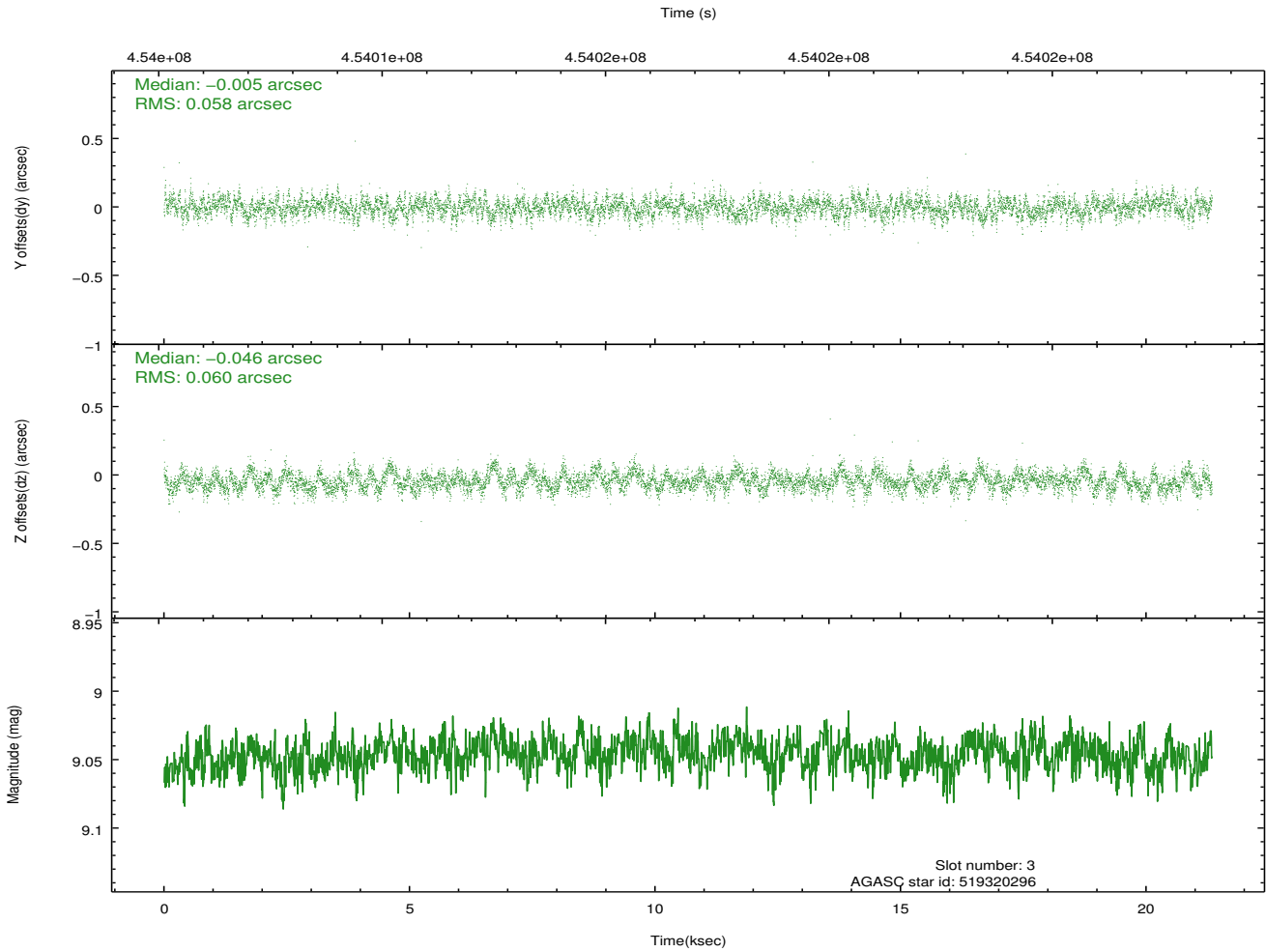
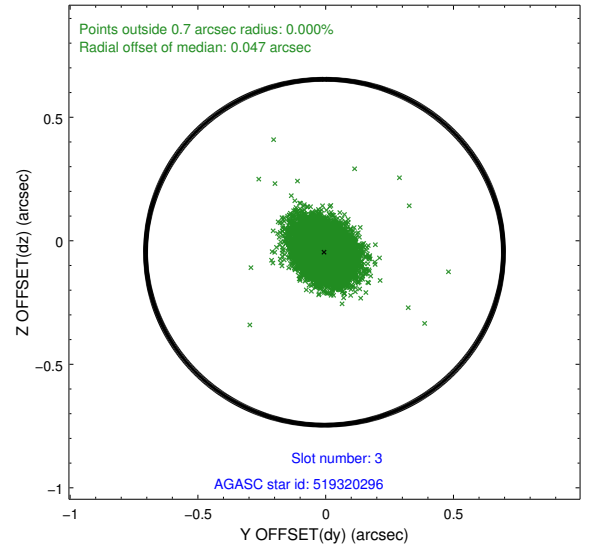
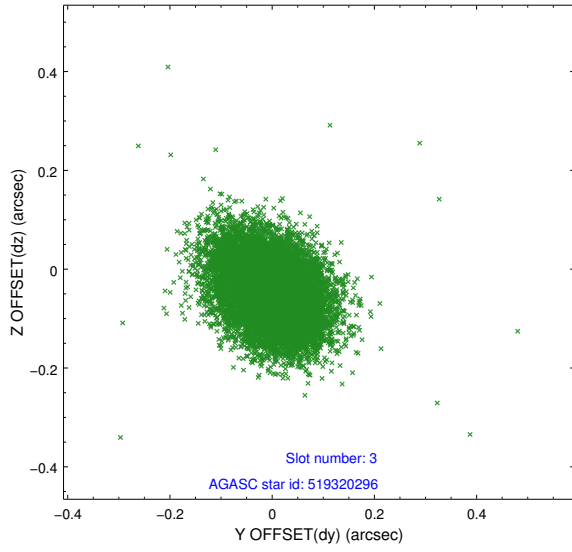
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	5206	-0.080	-0.045	0.012	0.021	0.000000	0.000000	-762.80	-1734.22
1	FID	ACIS-S-4	7.01	5206	0.107	0.036	0.015	0.023	0.000000	0.000000	2150.64	174.10
2	FID	ACIS-S-6	7.14	5206	-0.057	0.018	0.011	0.017	0.000000	0.000000	399.48	811.71
3	GUIDE	519320296	9.05	10402	-0.005	-0.046	0.087	0.142	308.366901	59.489372	-1532.52	1735.50
4	GUIDE	554839376	7.42	10410	-0.118	-0.204	0.086	0.128	308.018563	60.422364	1683.82	585.43
5	GUIDE	554842440	8.14	10410	-0.135	-0.135	0.078	0.123	307.970960	60.063321	613.78	1312.54
6	GUIDE	556537192	9.18	10408	0.293	0.171	0.129	0.200	309.975880	60.344309	-277.28	-2304.75
7	GUIDE	519309304	8.64	10406	-0.026	0.212	0.096	0.149	309.978425	59.702936	-2304.87	-1199.68

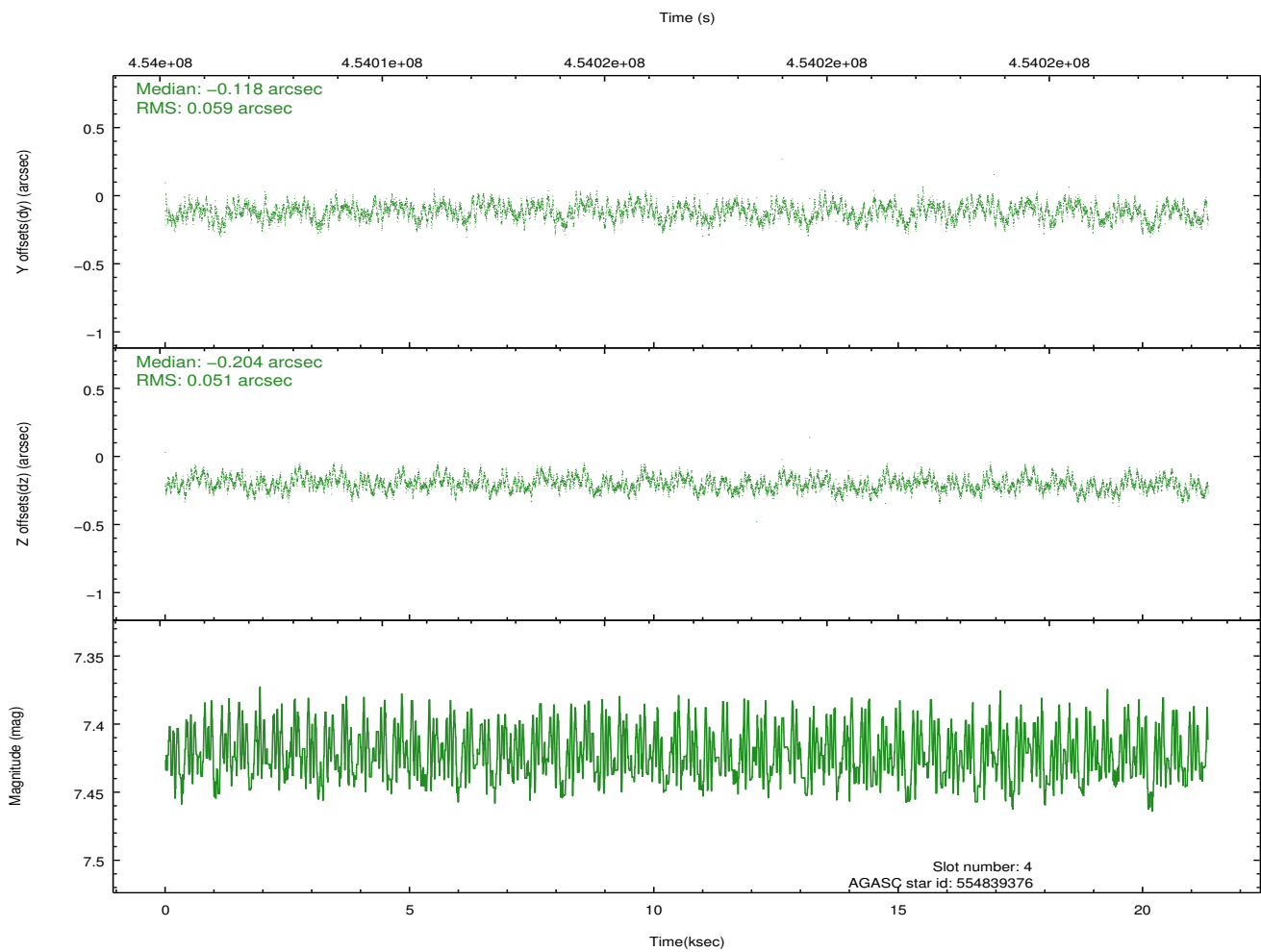
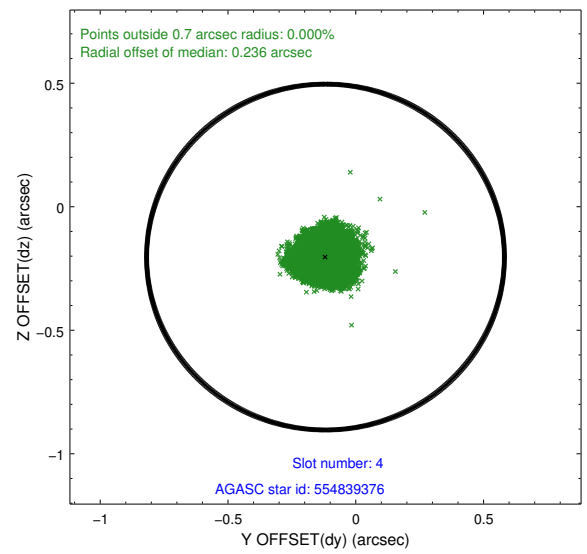
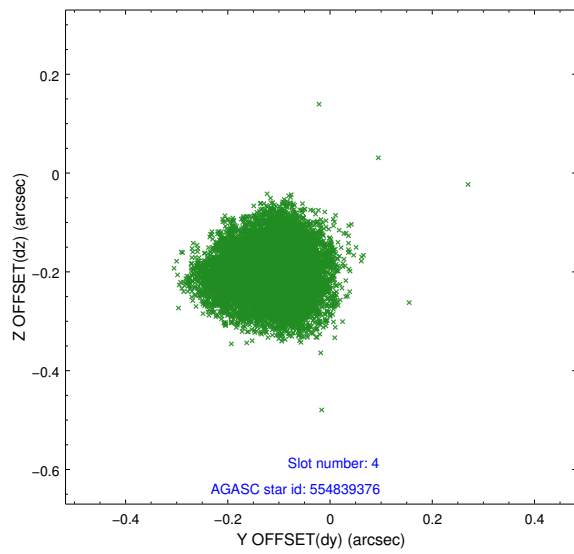
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2.4 Star Slots

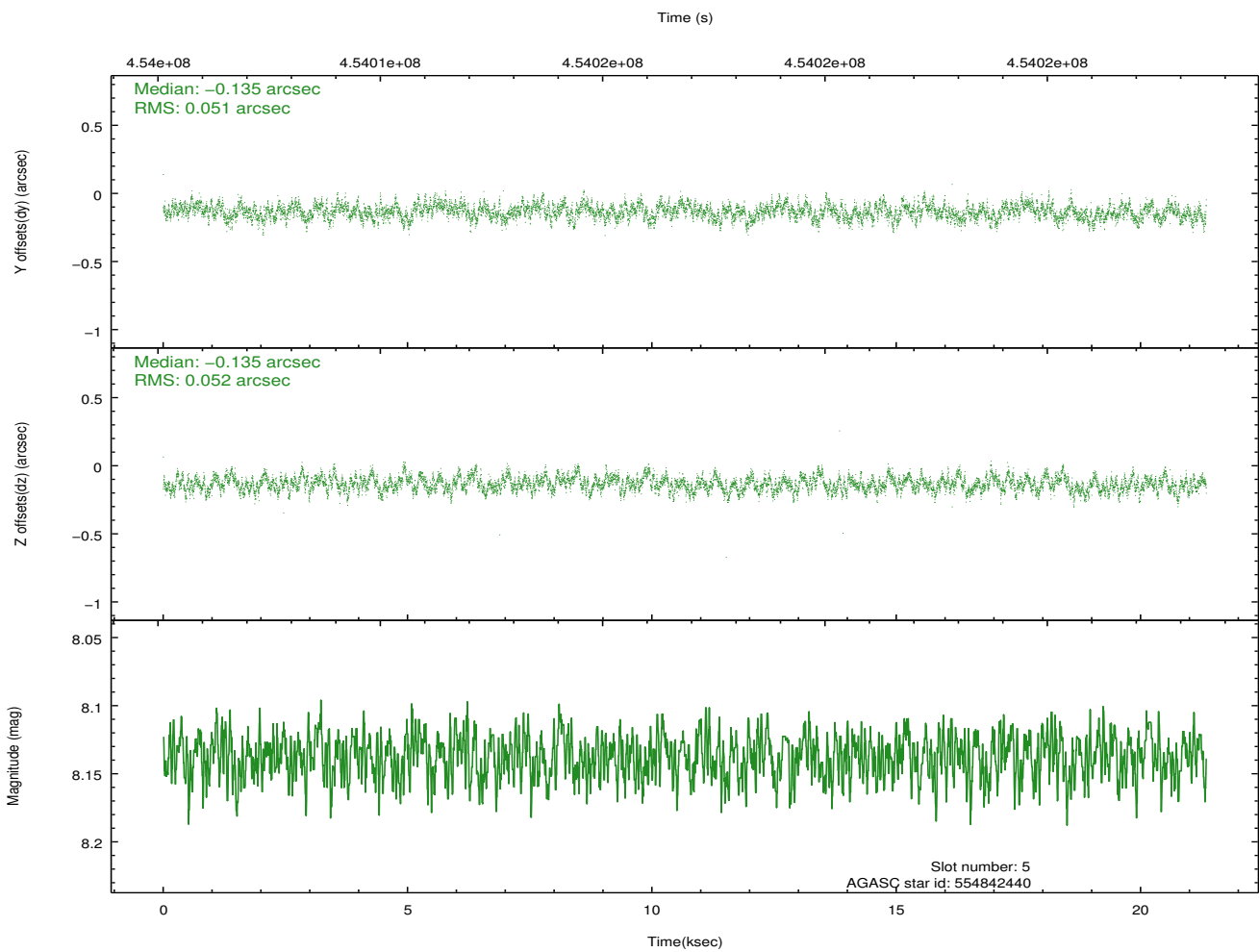
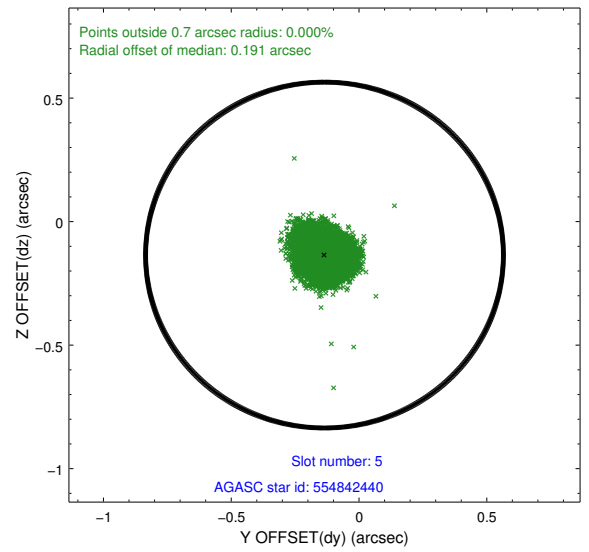
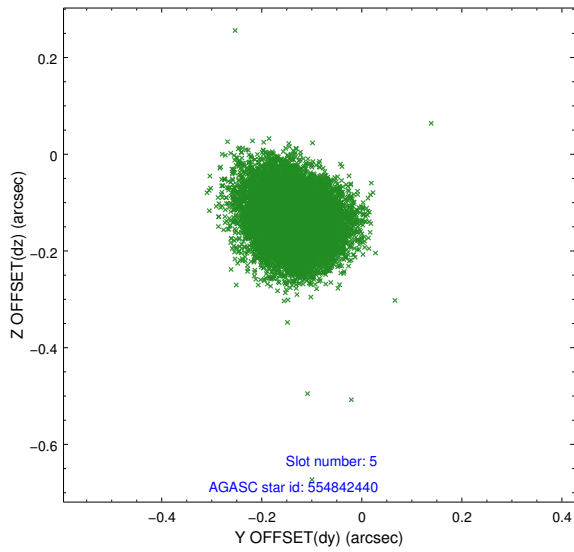
2.4.1 Slot 3



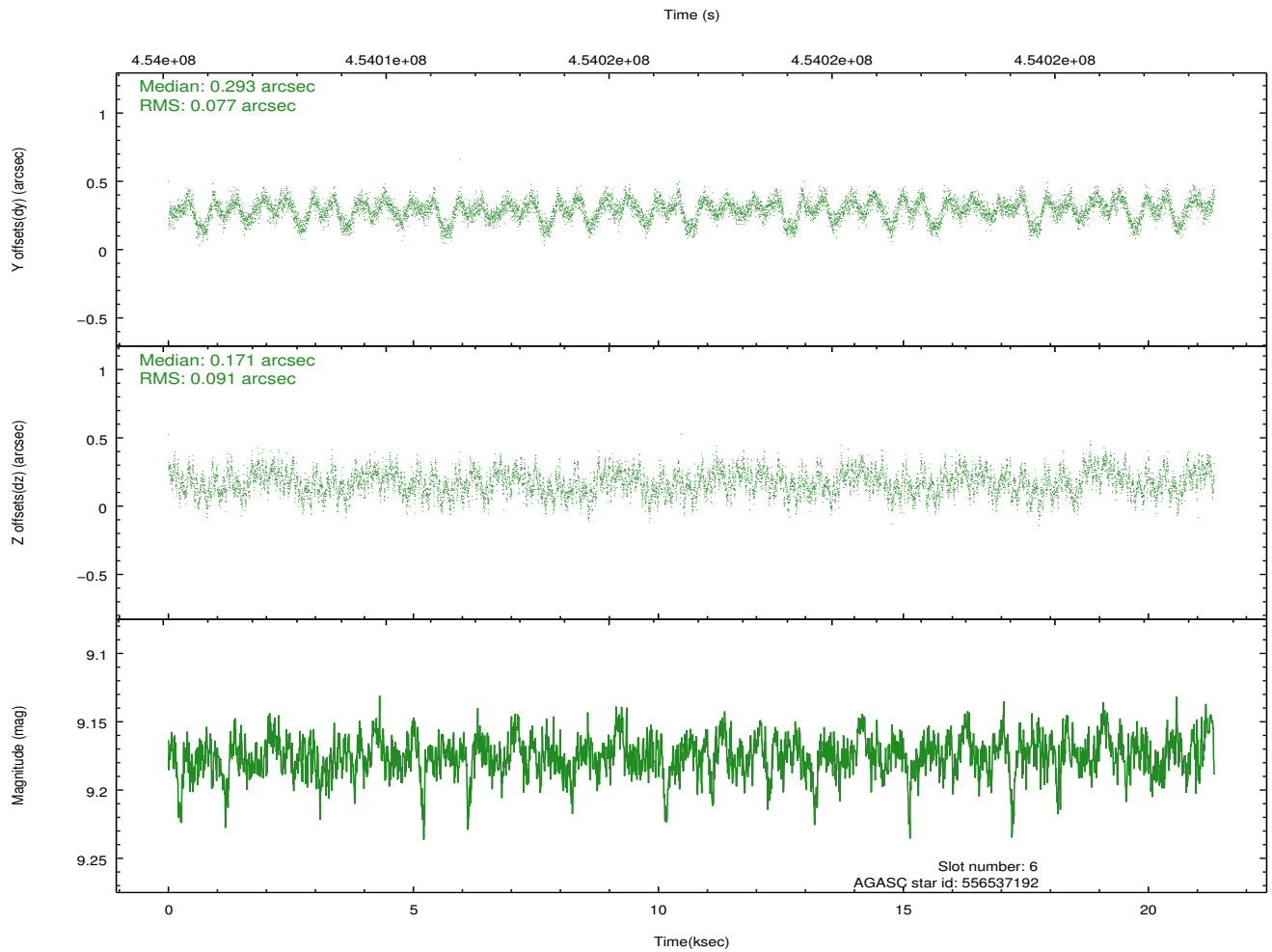
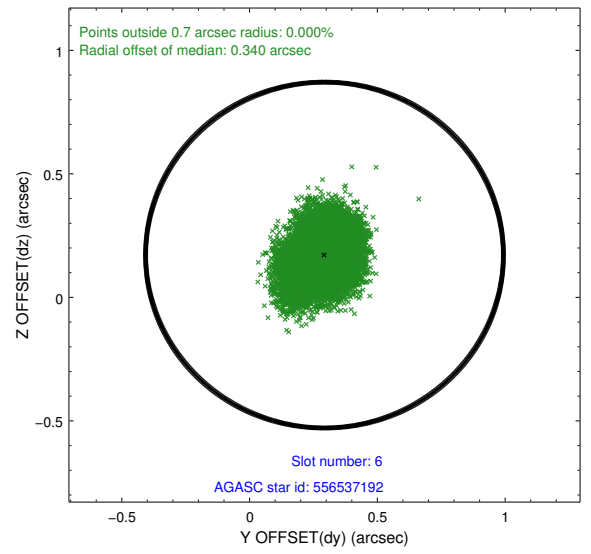
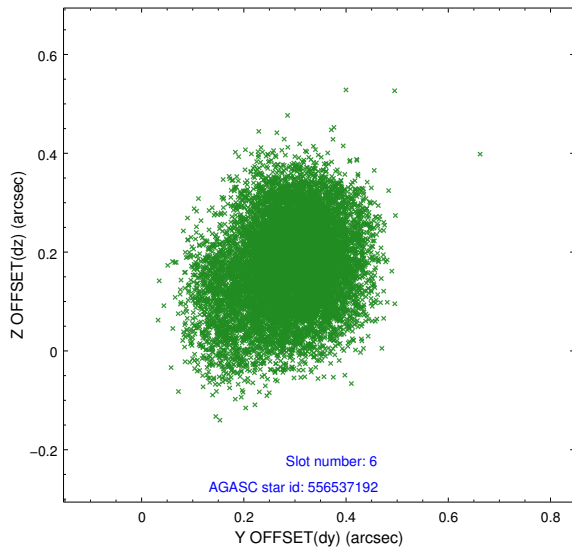
2.4.2 Slot 4



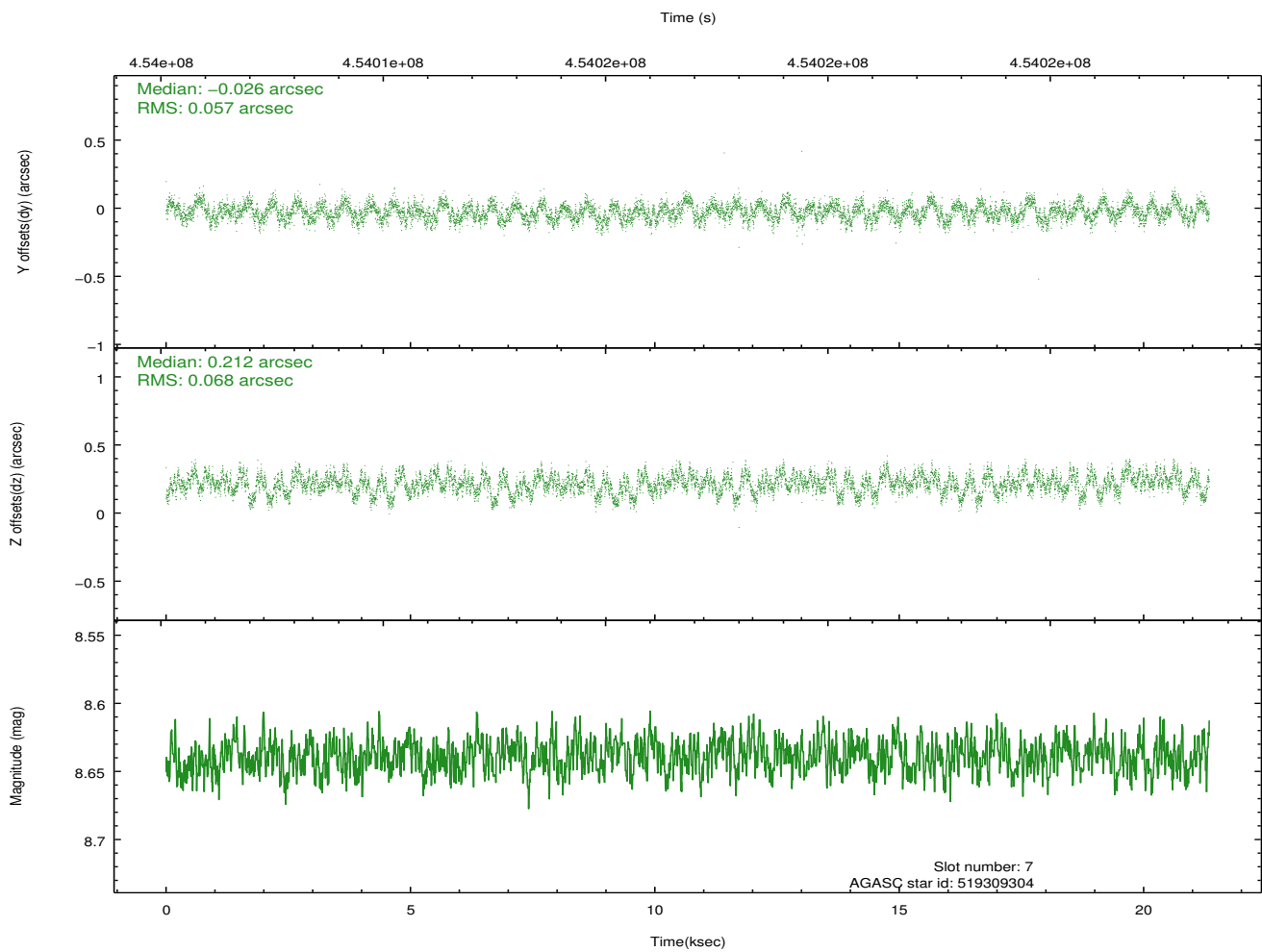
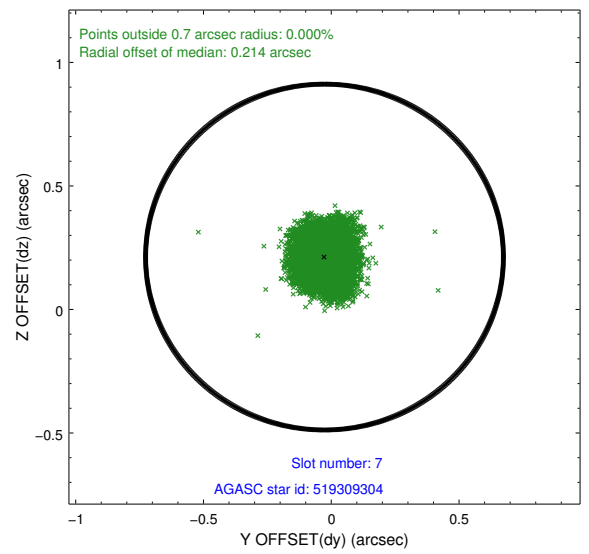
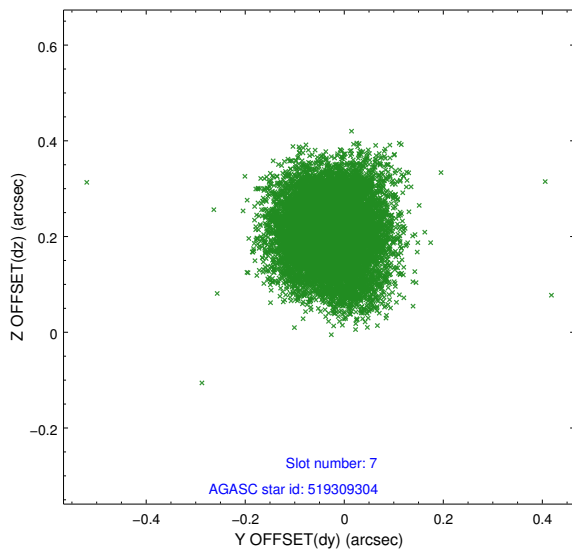
2.4.3 Slot 5



2.4.4 Slot 6

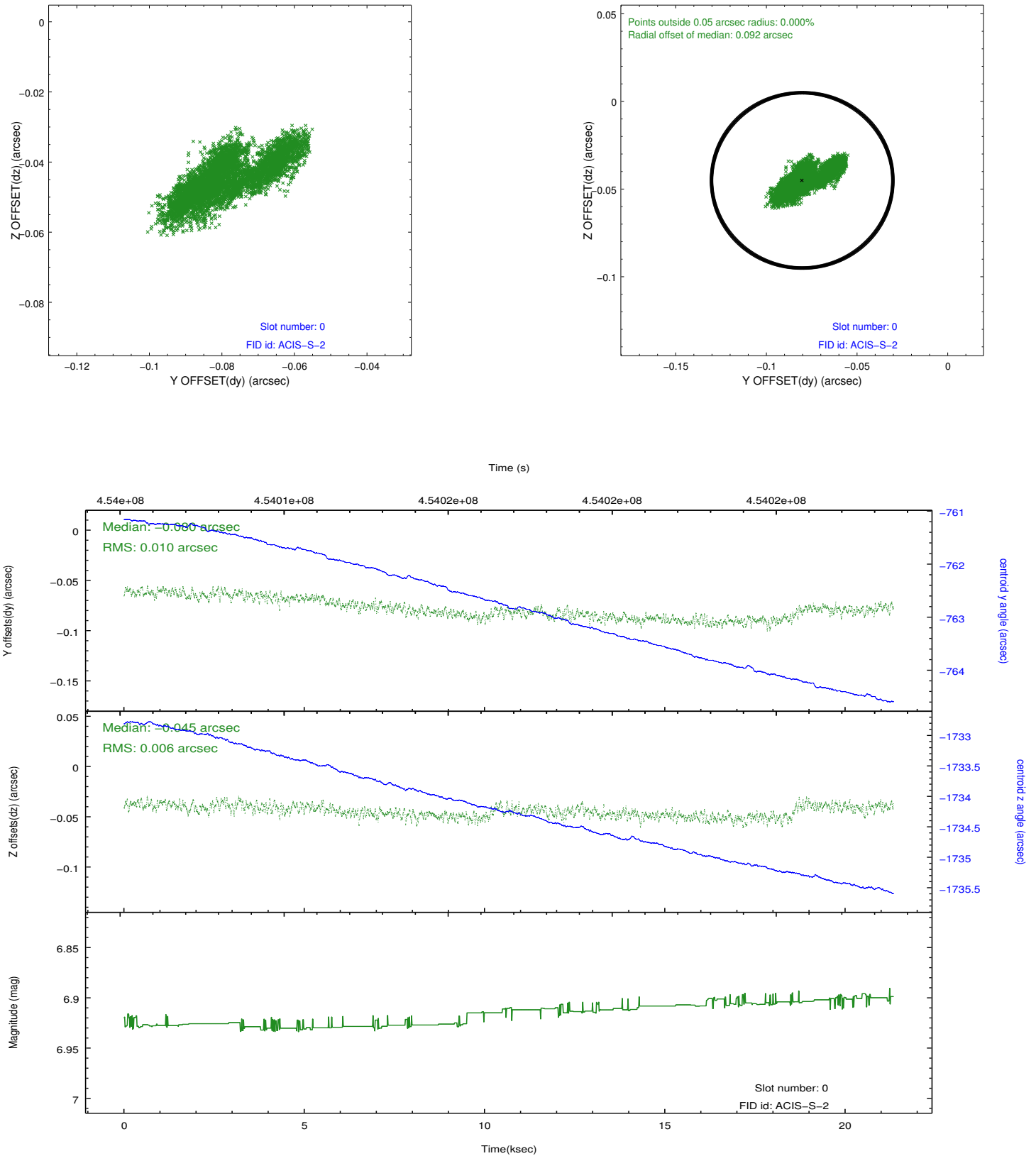


2.4.5 Slot 7

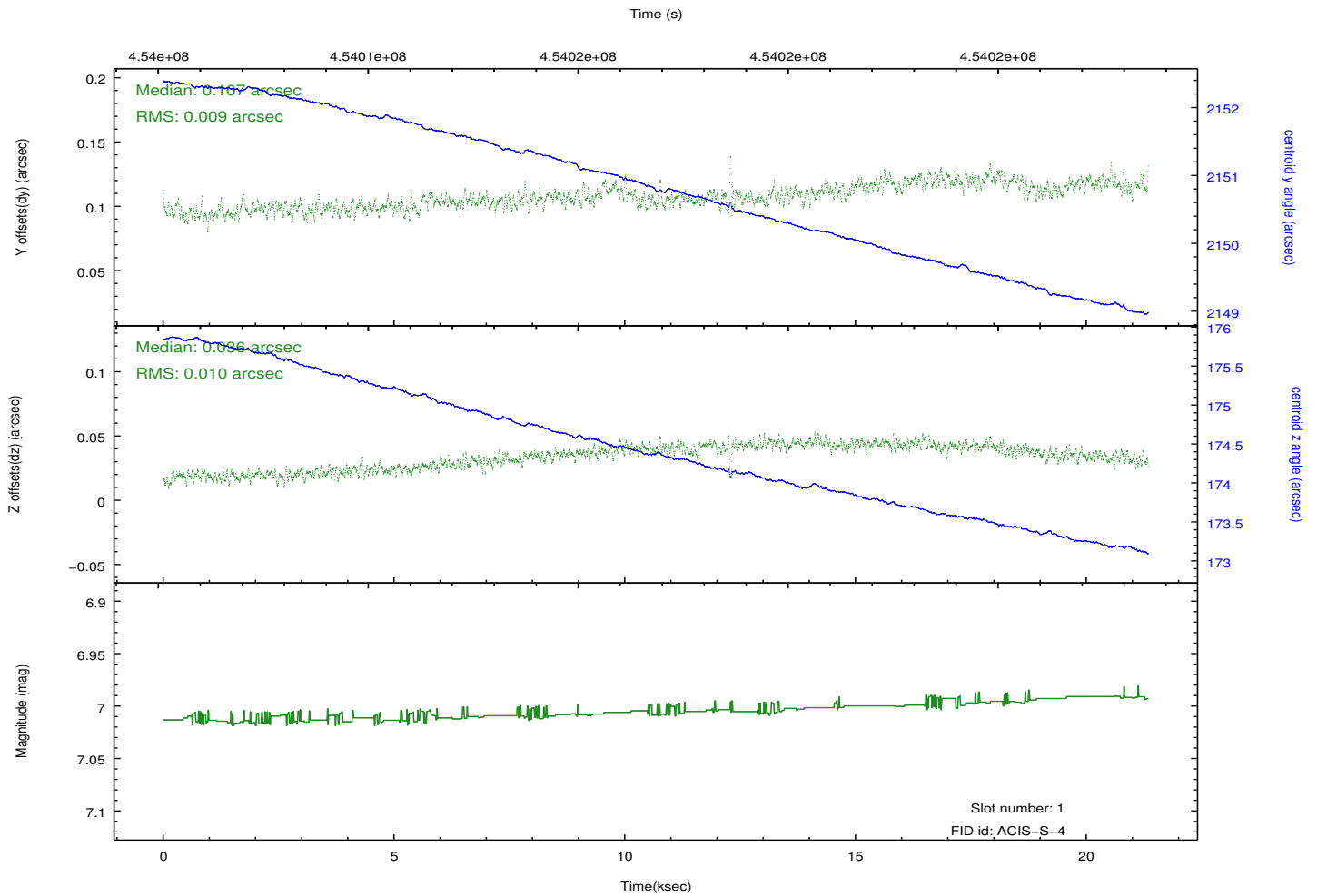
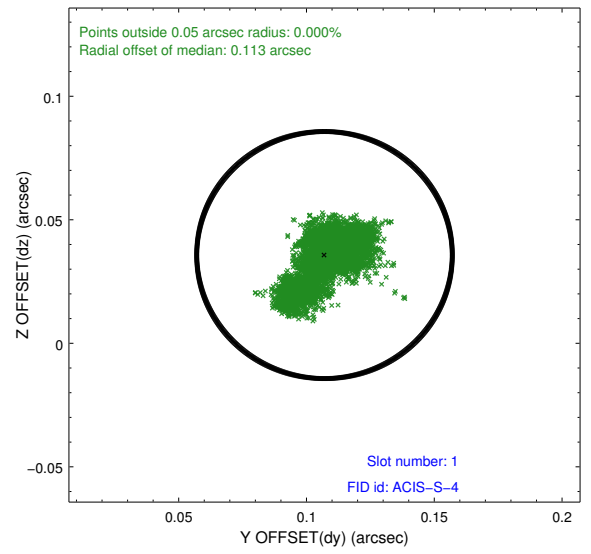
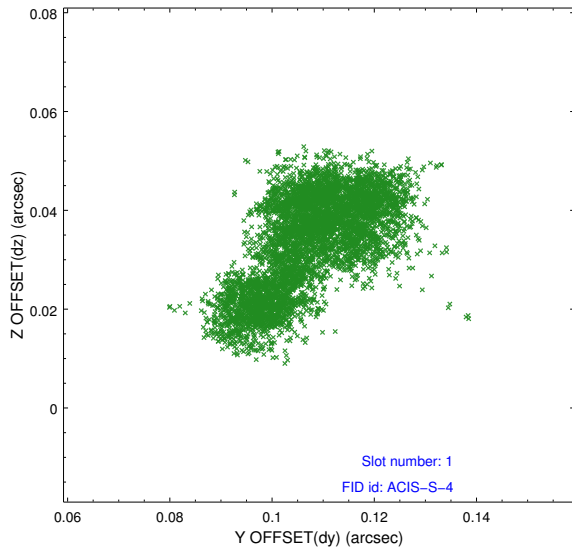


2.5 FID Slots

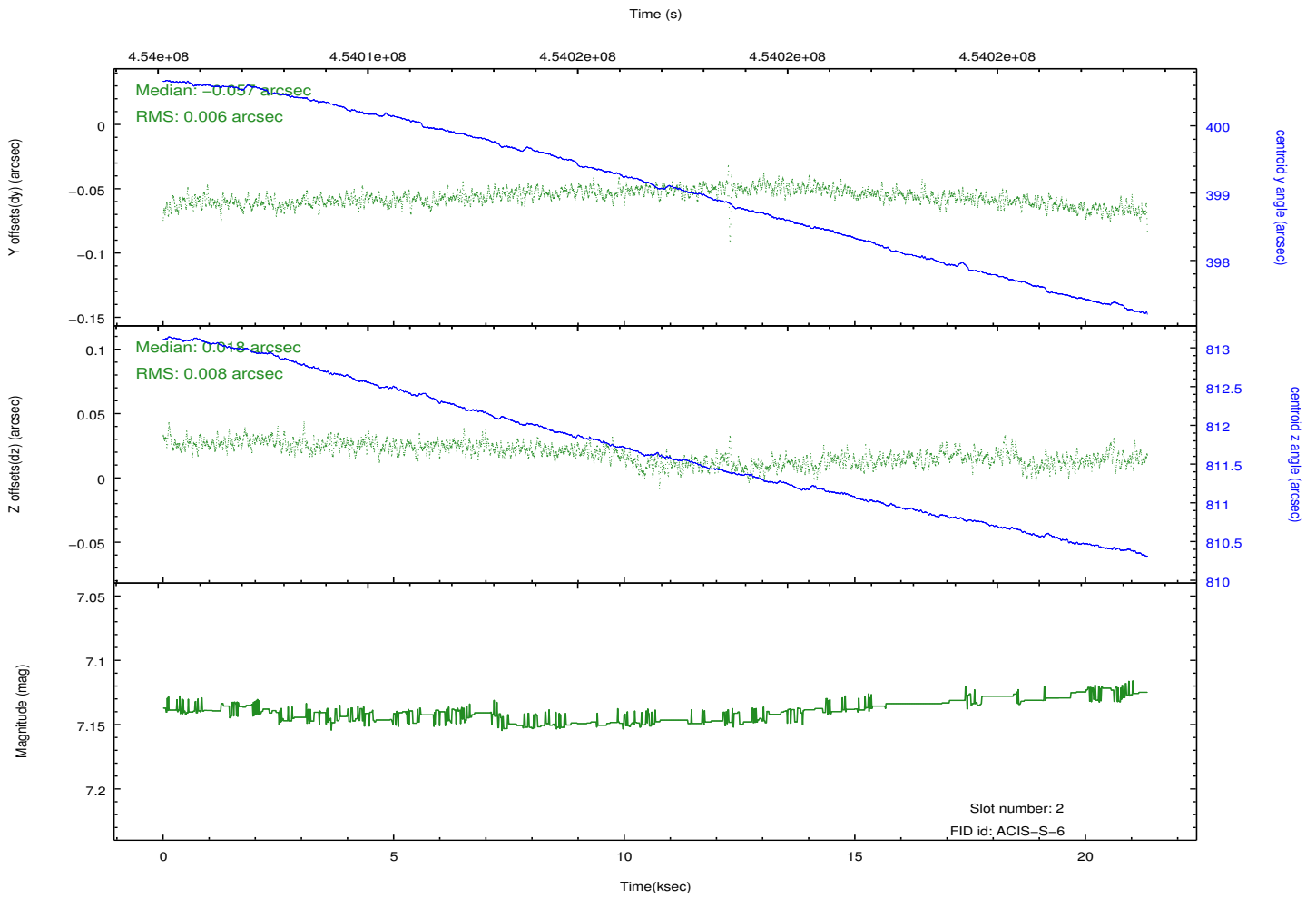
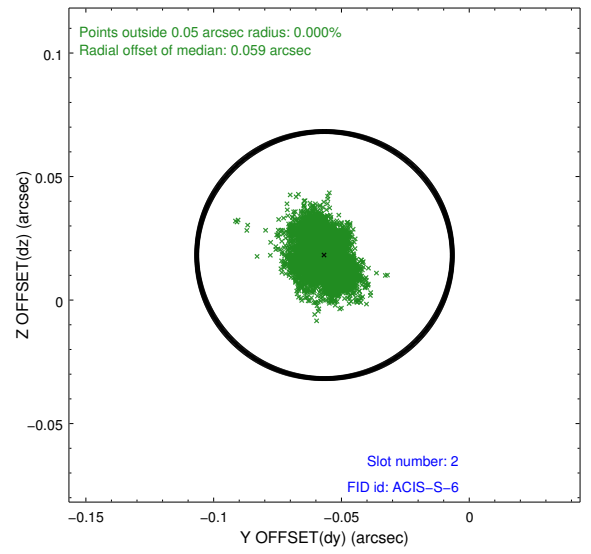
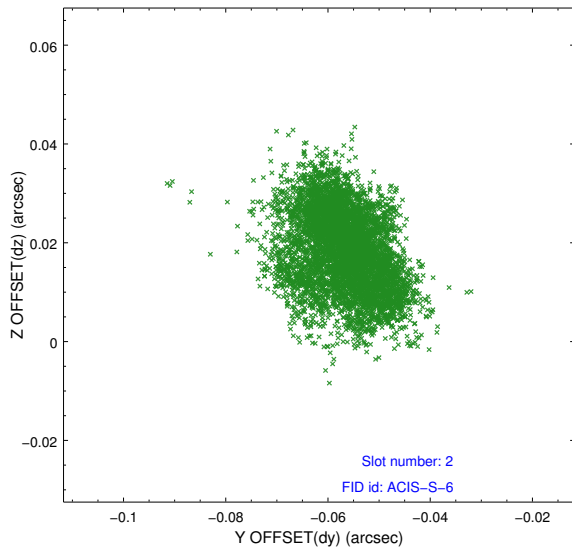
2.5.1 Slot 0



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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.706980127752

A.2 Comments

Joint Proposal: CX0-Spitzer