

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8141 - L2 Version 2
Chandra X-Ray Center

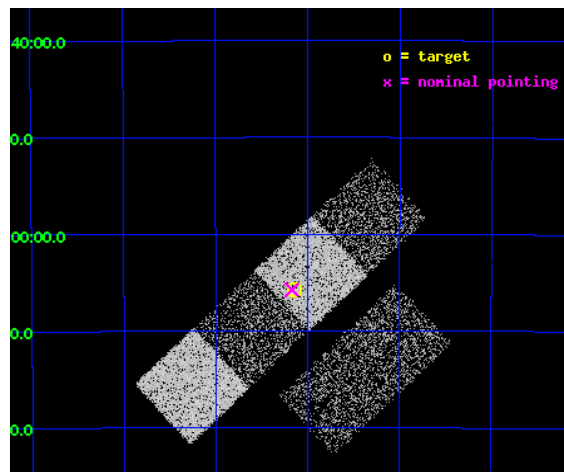
L2 Processing Date : Apr 26 2012

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1 Front

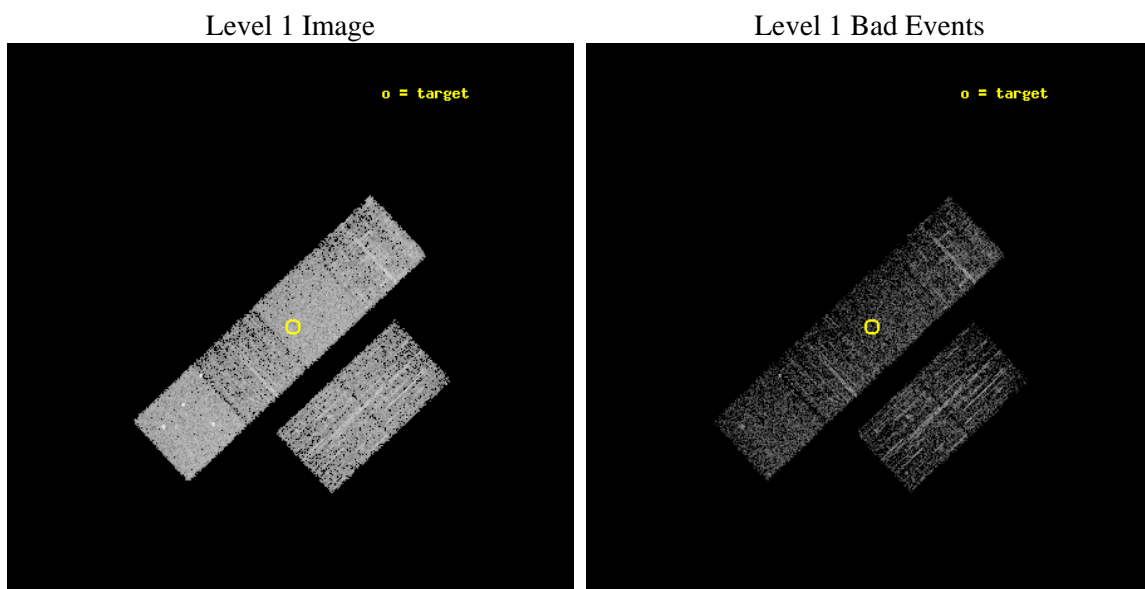
seq_num	900682	Sequence number
obs_id	8141	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	
observer	Dr. Stephen Murray	Principal investigator
object	AX J162208-5005	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	245.535	Observer's specified target RA [deg]
dec_targ	-50.095	Observer's specified target Dec [deg]
ra_nom	245.5427284353	Nominal RA [deg]
dec_nom	-50.096013390175	Nominal Dec [deg]
roll_nom	316.78121323406	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1548.7999942899	Sum of GTIs [s]
livetime	1529.1881561868	Livetime [s]
ontime2	1548.7999942899	Sum of GTIs [s]
ontime3	1548.7999942899	Sum of GTIs [s]
ontime5	1548.7999942899	Sum of GTIs [s]
ontime6	1548.7999942899	Sum of GTIs [s]
ontime7	1548.7999942899	Sum of GTIs [s]
ontime8	1548.7999942899	Sum of GTIs [s]
l2events	25042	Number of level 2 events



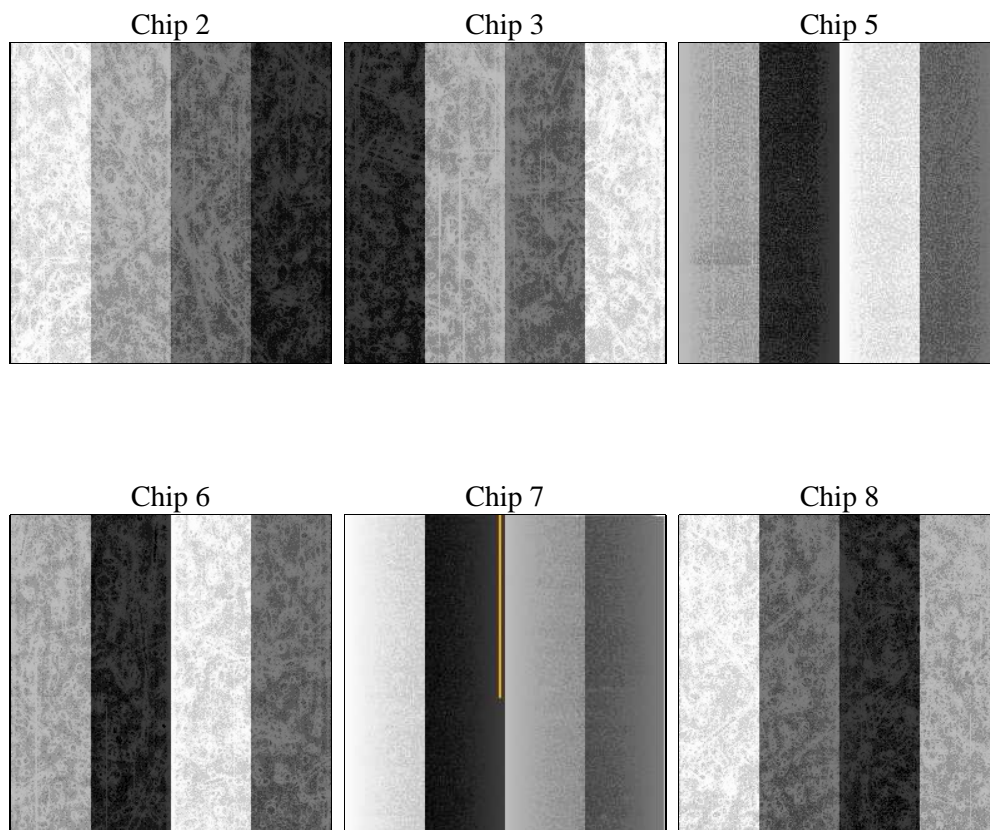
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1548.7999942899	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1548.7999942899	Sum of GTIs [s]
date	2012-04-27T01:21:47	Date and time of file creation	ontime3	1548.7999942899	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1548.7999942899	Sum of GTIs [s]
			ontime6	1548.7999942899	Sum of GTIs [s]
			ontime7	1548.7999942899	Sum of GTIs [s]
			ontime8	1548.7999942899	Sum of GTIs [s]
			l1events	109614	Number of level 1 events

2.1.4 Events

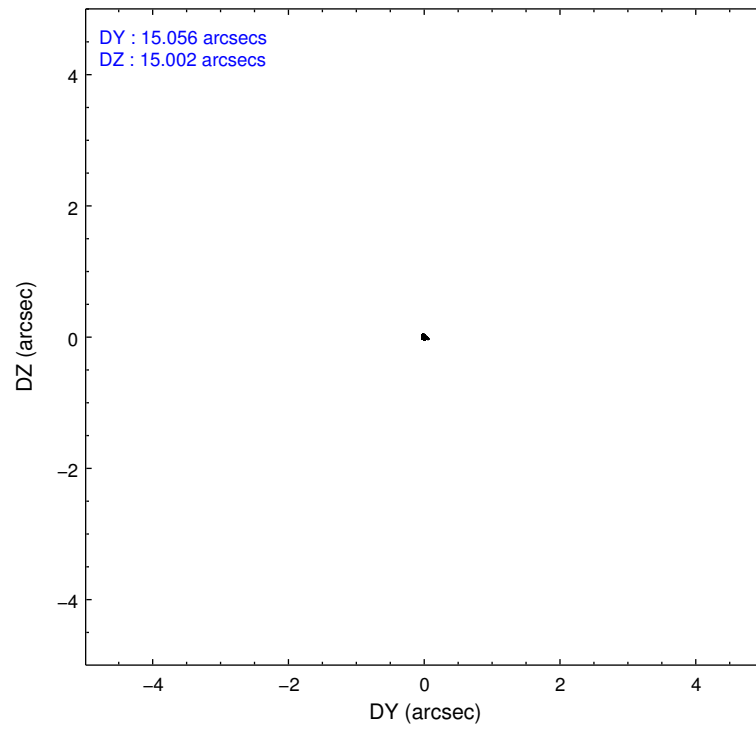
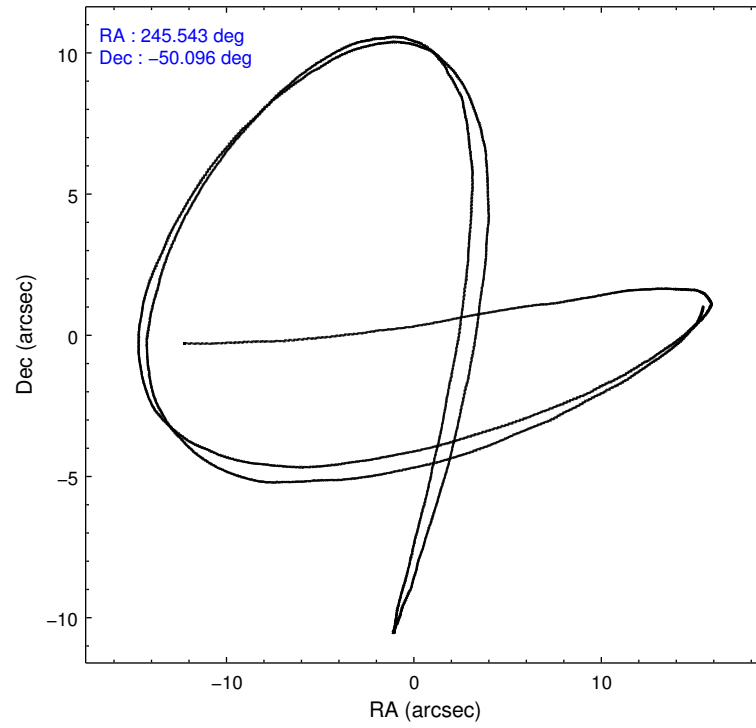
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	15912	14779	23738	14802	20721	19662
rejected events	14144	13001	12505	12909	11856	15358
rejected %	88%	87%	52%	87%	57%	78%

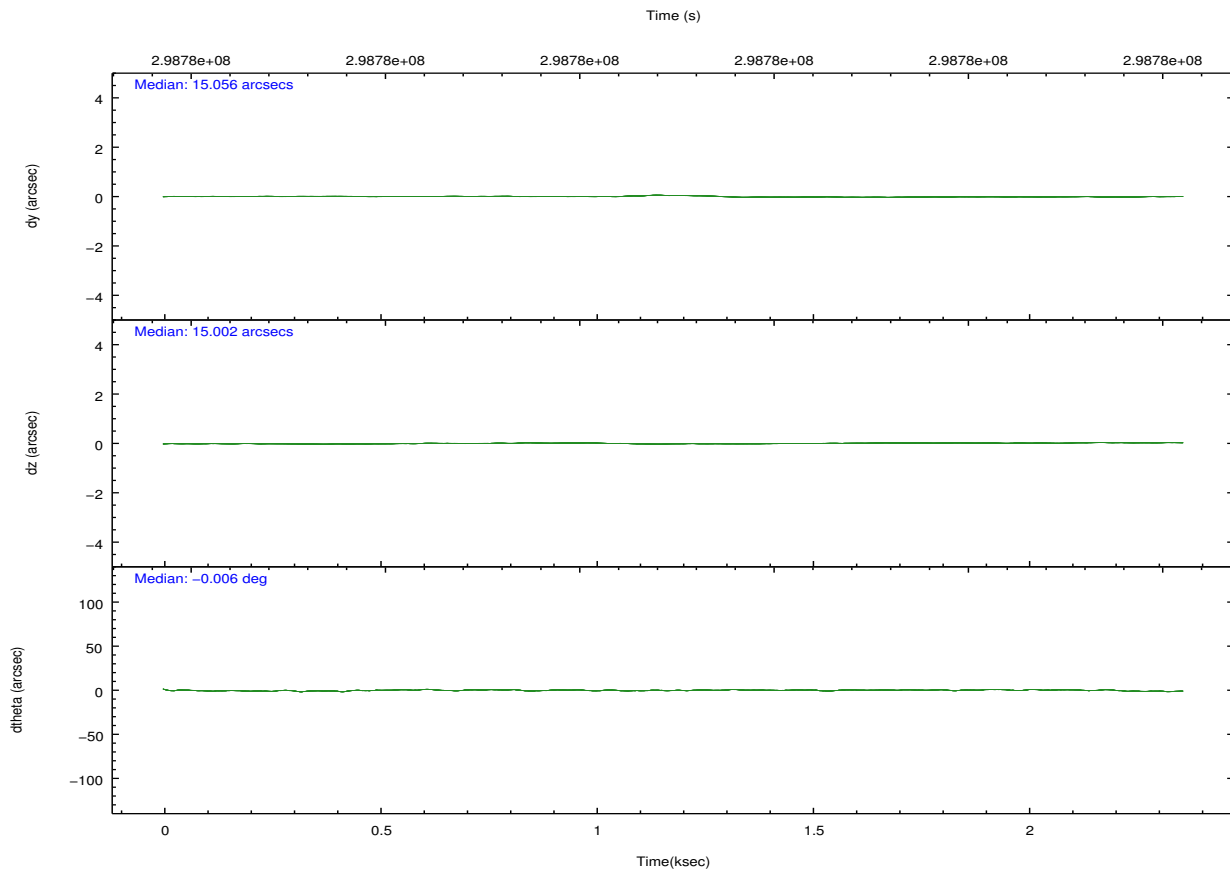
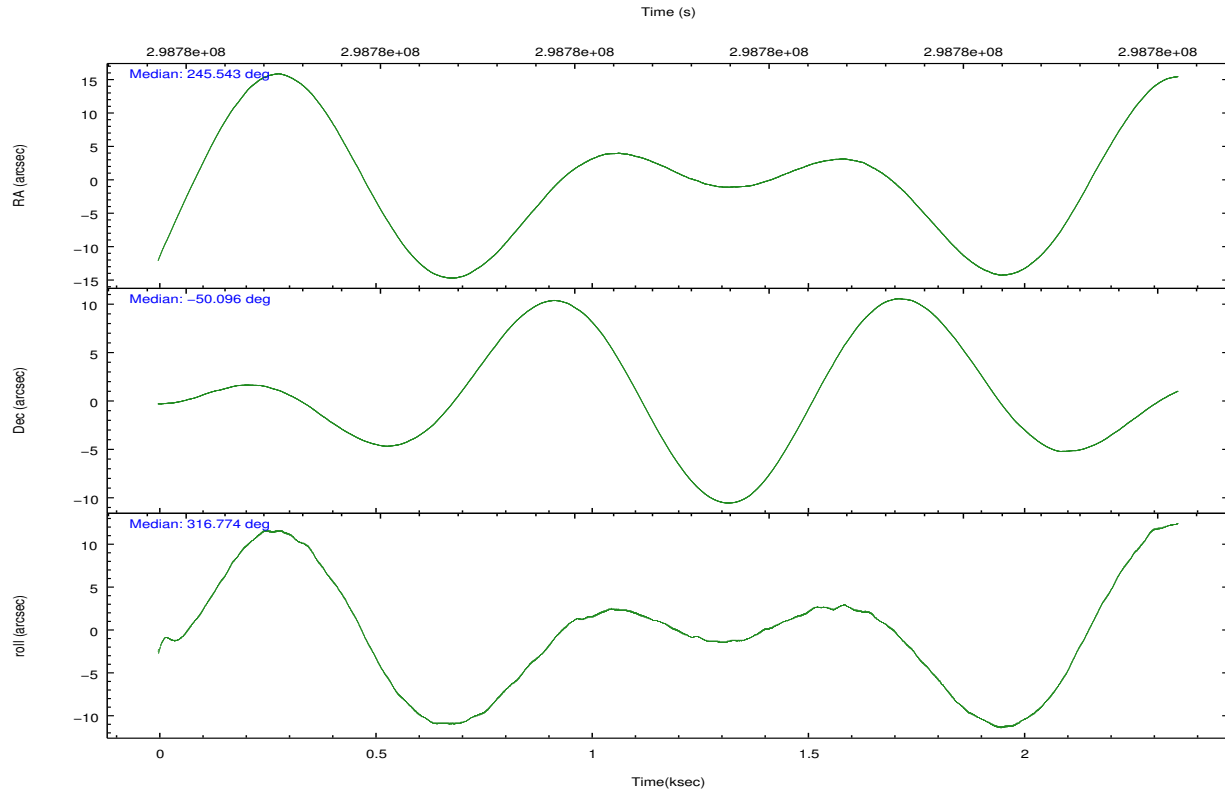
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	805	795	1568	797	828	1302
	5%	5%	6%	5%	3%	6%
grade 1 events	14	12	112	13	24	18
	0%	0%	0%	0%	0%	0%
grade 2 events	353	342	3364	388	1778	956
	2%	2%	14%	2%	8%	4%
grade 3 events	174	181	368	172	772	459
	1%	1%	1%	1%	3%	2%
grade 4 events	161	174	393	167	768	400
	1%	1%	1%	1%	3%	2%
grade 5 events	591	662	1671	733	1936	964
	3%	4%	7%	4%	9%	4%
grade 6 events	279	299	5588	377	4757	1195
	1%	2%	23%	2%	22%	6%
grade 7 events	13535	12314	10674	12155	9858	14368
	85%	83%	44%	82%	47%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	245.500784	245.542728435295	CCD I2 on	O2	Y
[deg] Pointing Dec	-50.090072	-50.09601339017499	CCD I3 on	O3	Y
[deg] Pointing Roll	316.592399	316.7812132340579	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	298781812.184000	298780562.15892	CCD S5 on	N	N
Observation start date	2007-06-21T02:55:47	2007-06-21T02:36:02	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	298783412.184000	298783673.03407	On-chip summing requested	N	N
Observation end date	2007-06-21T03:22:27	2007-06-21T03:27:53	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



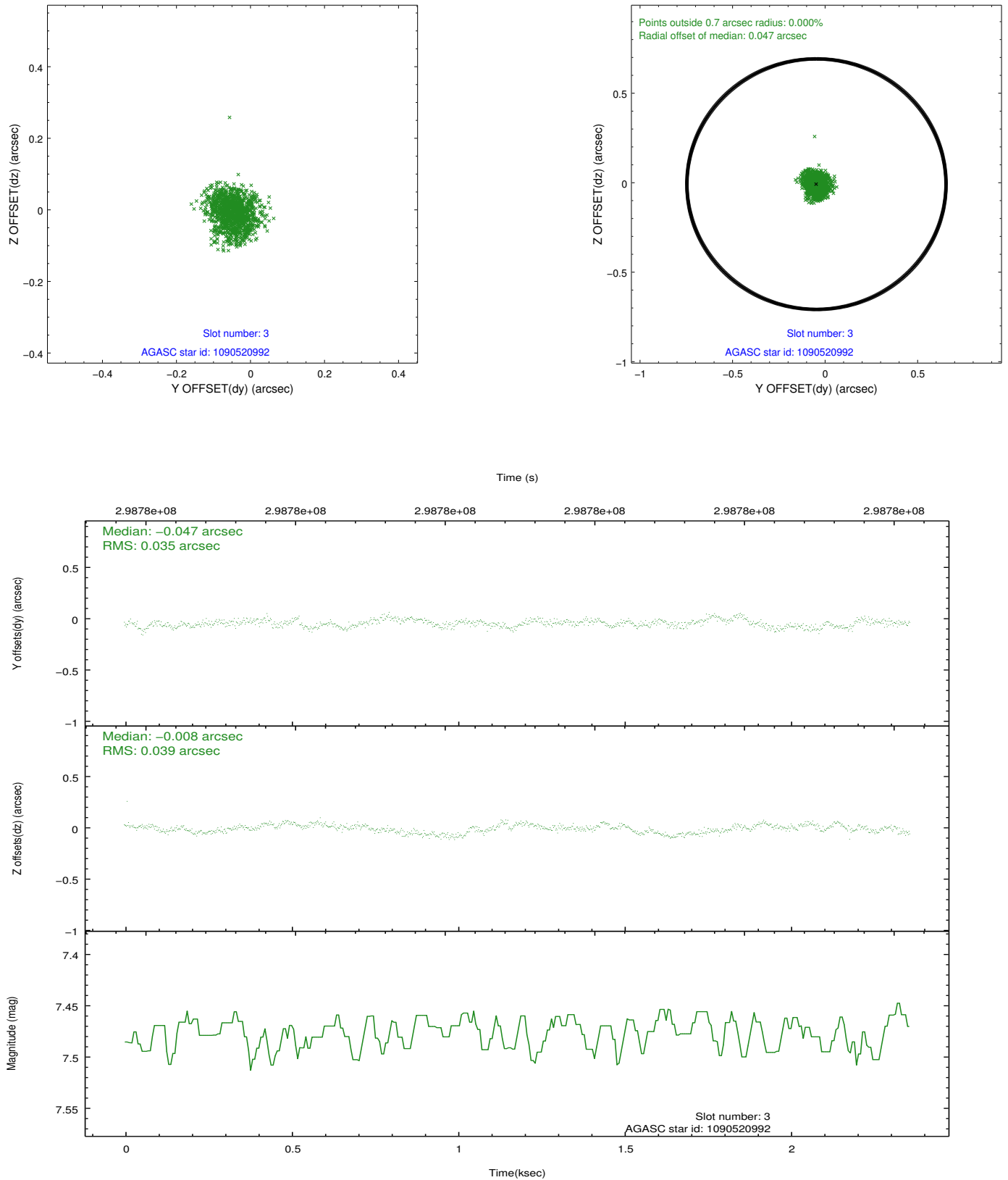


Slot Statistics

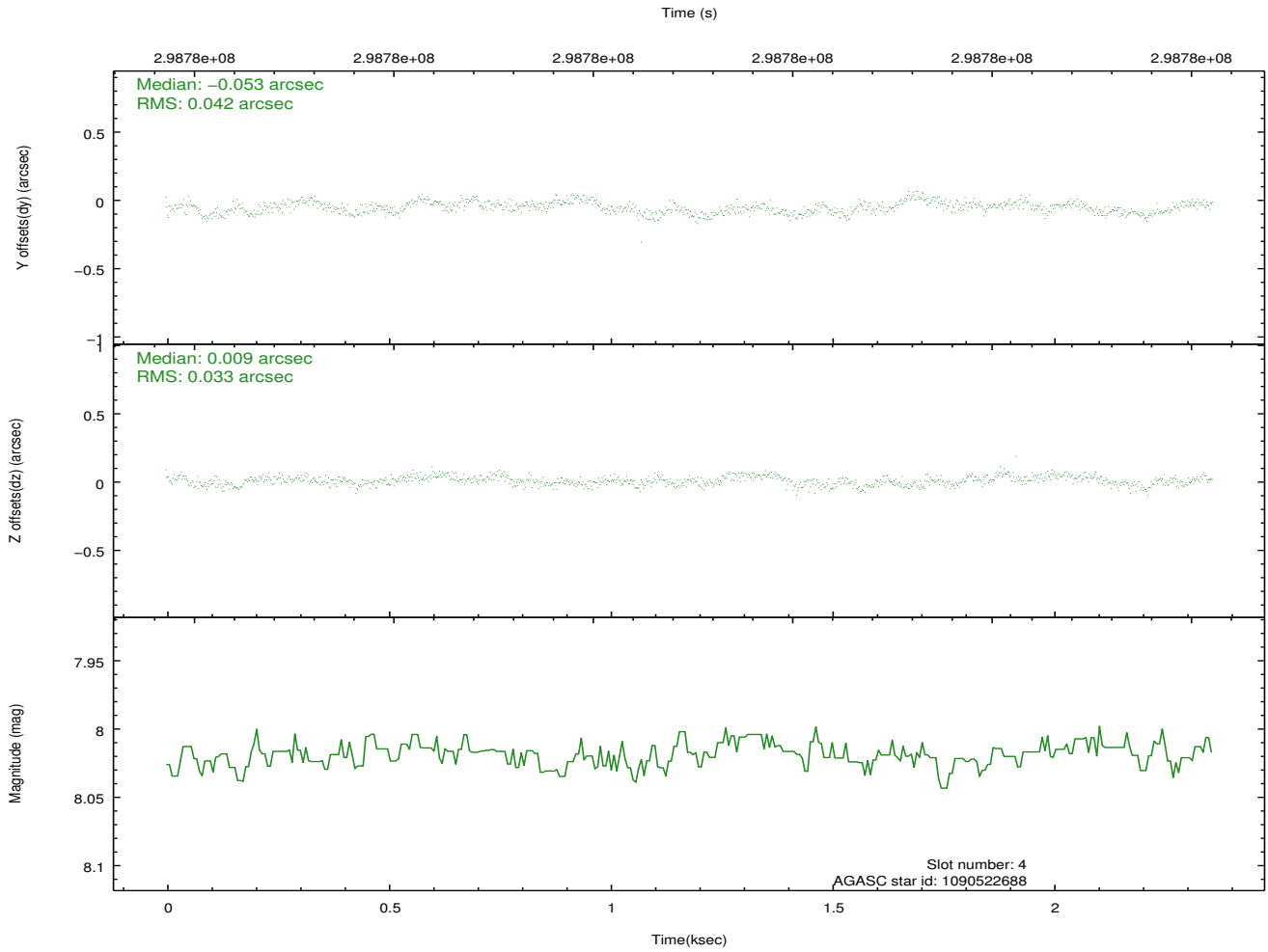
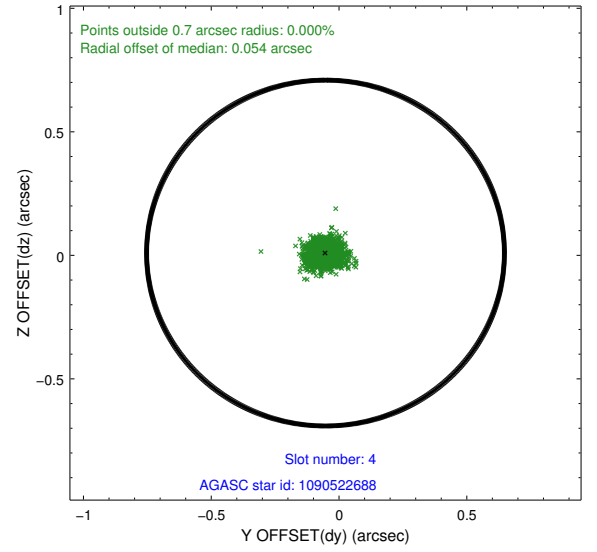
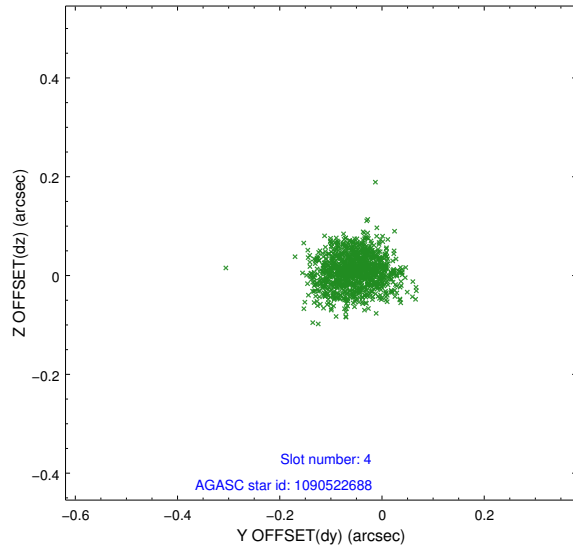
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	575	0.015	-0.055	0.008	0.015	0.000000	0.000000	928.03	-1732.06
1	FID	ACIS-S-4	7.19	576	0.174	0.035	0.007	0.013	0.000000	0.000000	2147.11	169.35
2	FID	ACIS-S-5	7.22	576	-0.216	0.032	0.007	0.012	0.000000	0.000000	-1817.56	166.03
3	GUIDE	1090520992	7.48	1151	-0.047	-0.008	0.057	0.087	245.489527	-49.662443	-1077.46	1100.01
4	GUIDE	1090522688	8.02	1152	-0.053	0.009	0.057	0.089	245.358664	-49.397960	-1955.42	1581.60
5	GUIDE	1090525744	8.21	1152	0.042	-0.008	0.062	0.097	245.649389	-50.543894	1368.14	-952.41
6	GUIDE	1090531048	8.40	1151	0.135	-0.010	0.054	0.086	246.008201	-50.442227	1720.09	-125.29
7	GUIDE	1091059112	9.06	1149	-0.079	0.019	0.091	0.144	245.180420	-50.736664	1071.79	-2194.10

2.4 Star Slots

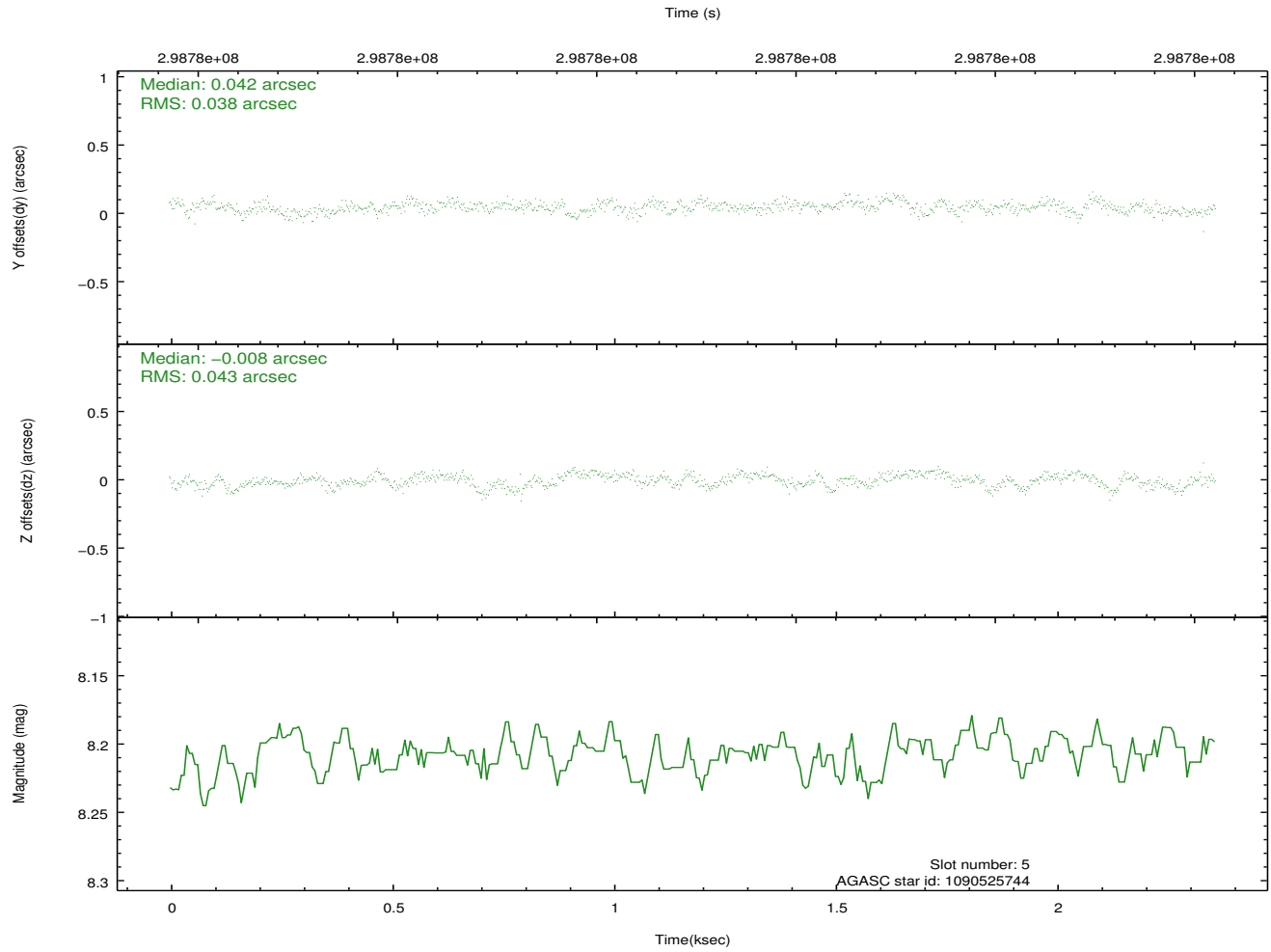
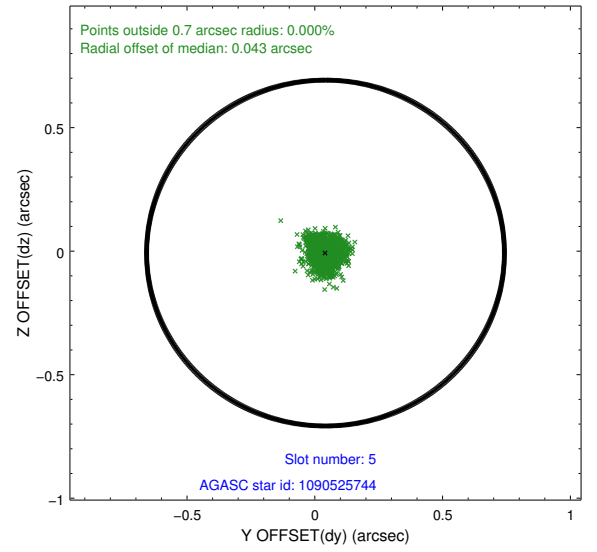
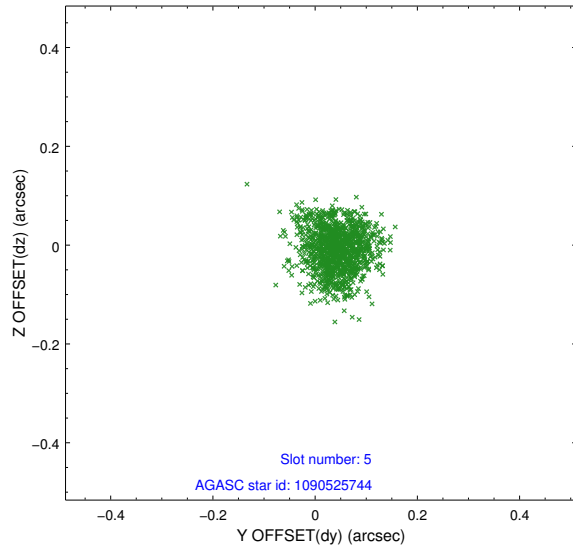
2.4.1 Slot 3



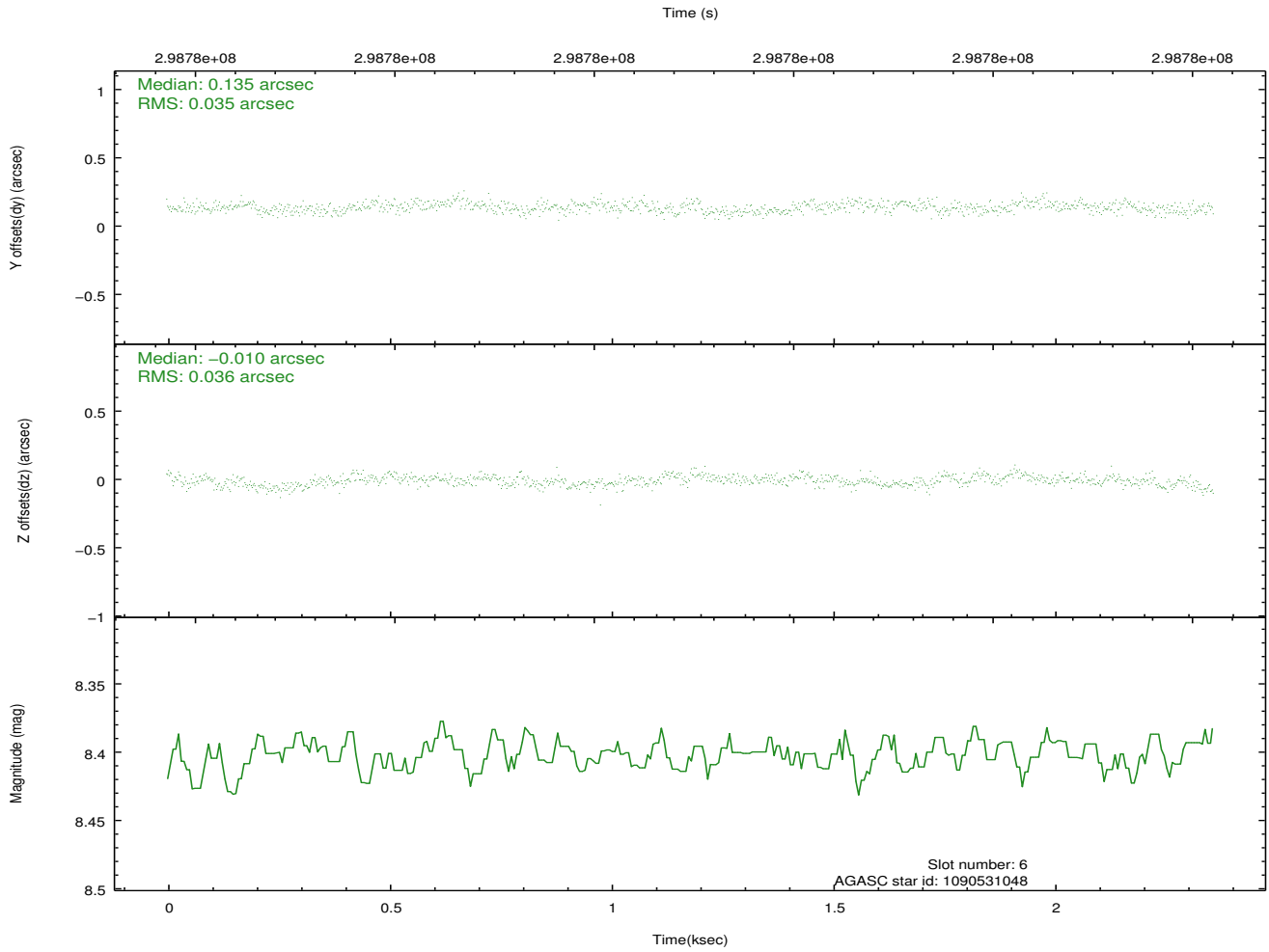
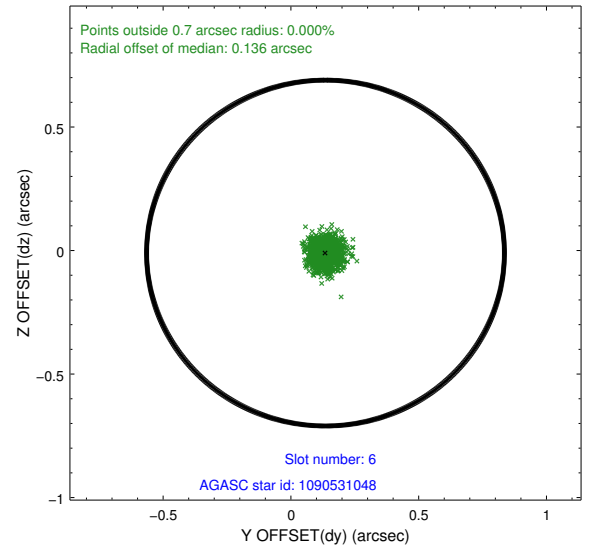
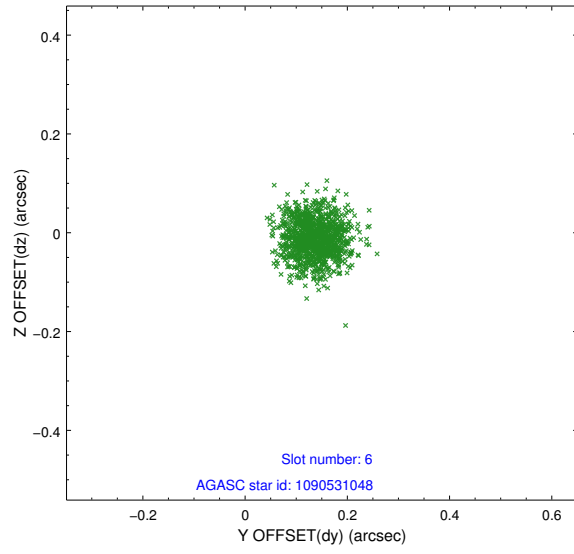
2.4.2 Slot 4



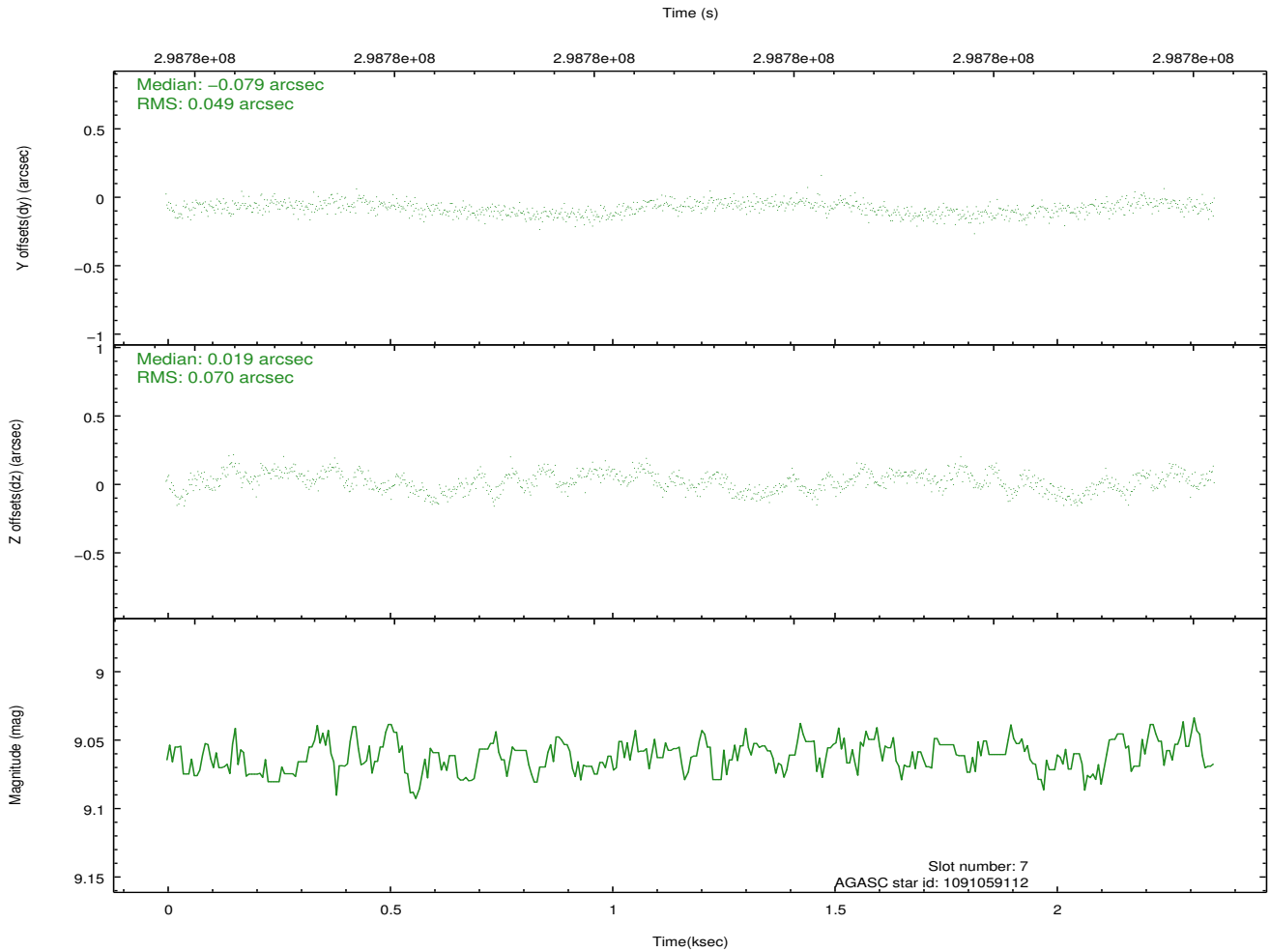
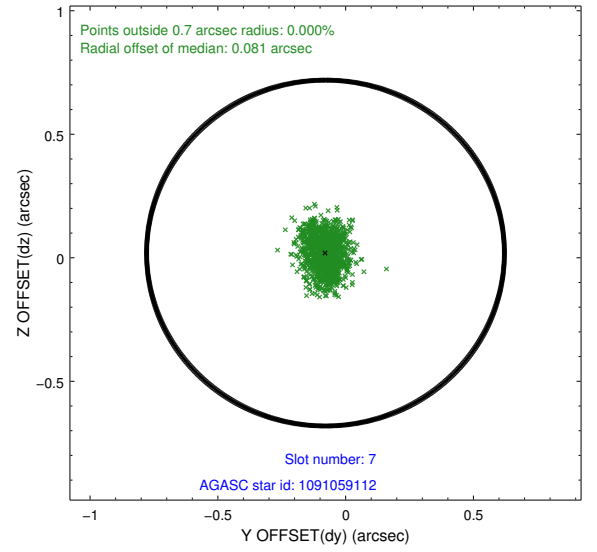
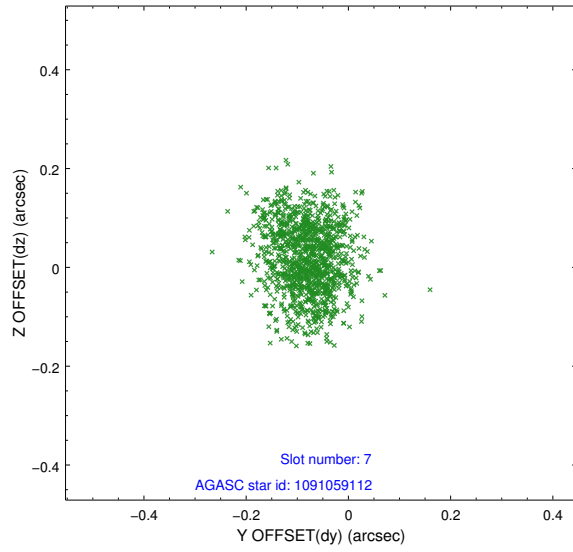
2.4.3 Slot 5



2.4.4 Slot 6

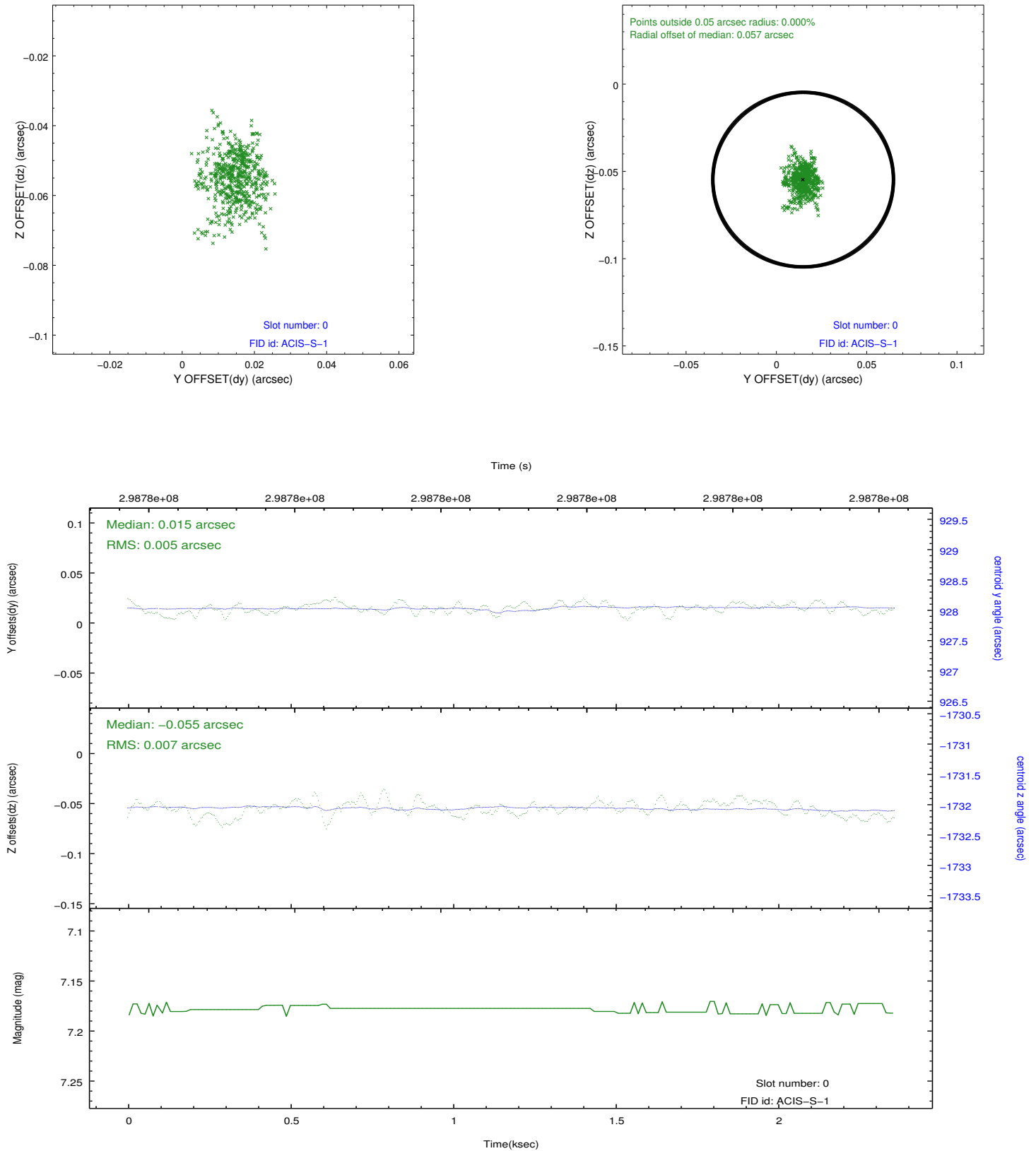


2.4.5 Slot 7

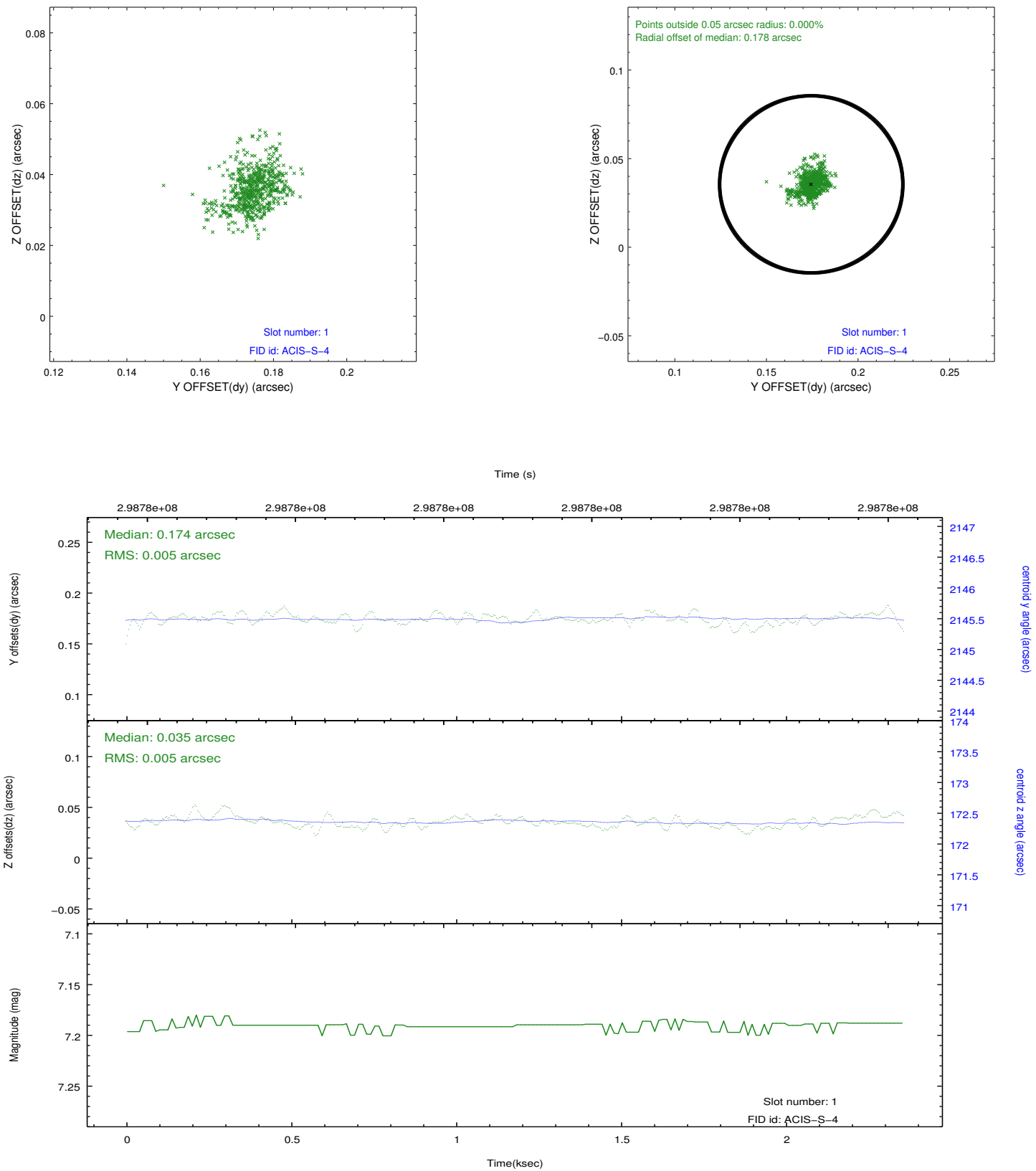


2.5 FID Slots

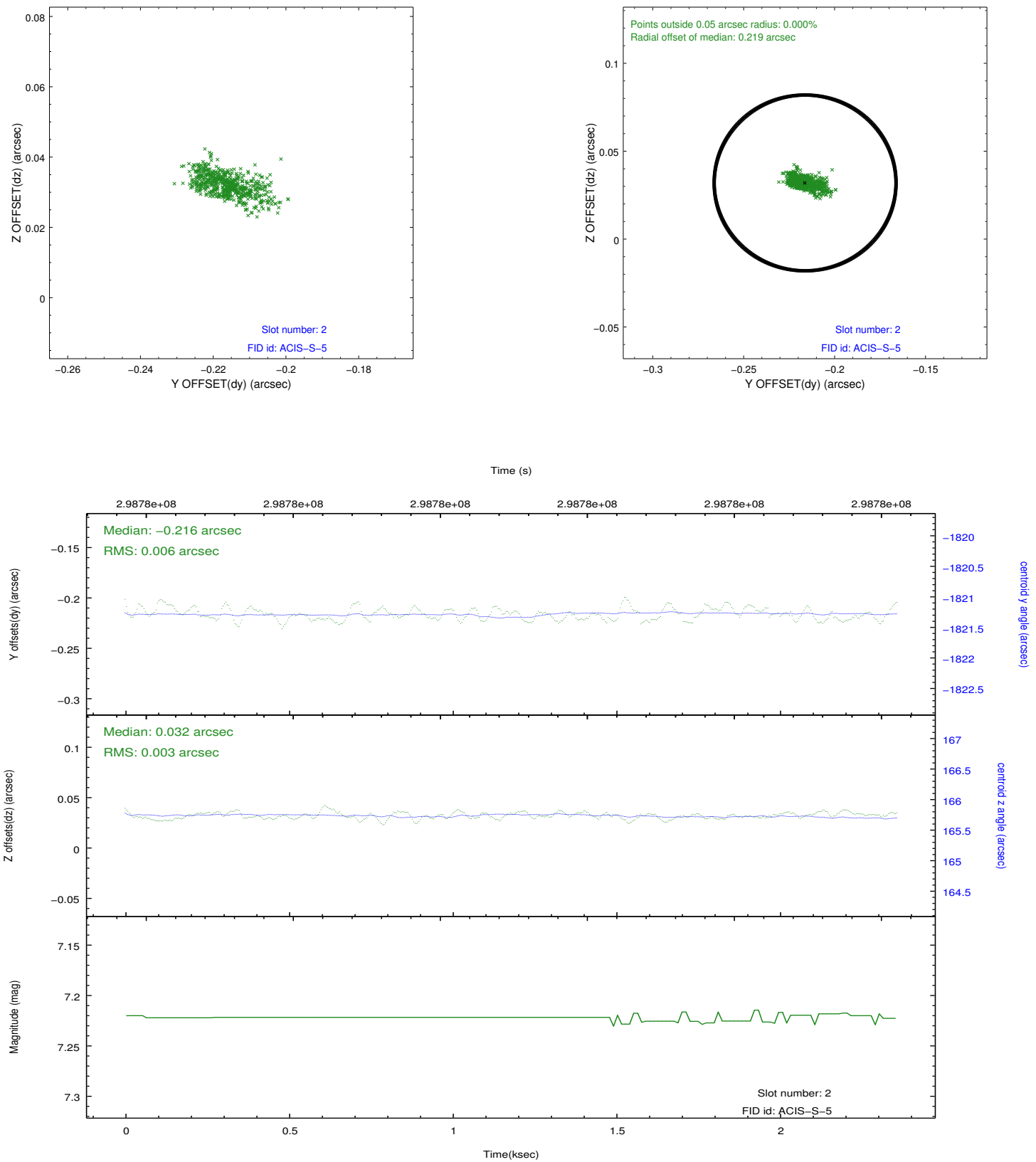
2.5.1 Slot 0



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)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.54879999

A.2 Comments