

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1919 - L2 Version 3
Chandra X-Ray Center

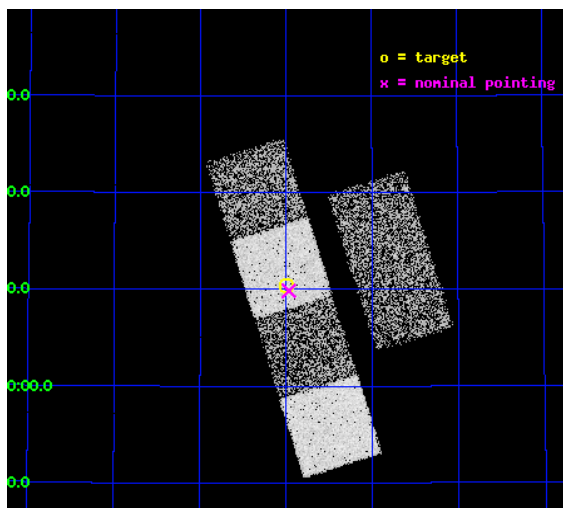
L2 Processing Date : Sep 6 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.5	FID Slots	13
2.5.1	Slot 0	13
2.5.2	Slot 1	14
2.5.3	Slot 2	15
A	Summary	16
A.1	Status	16
A.2	Comments	16

1 Front

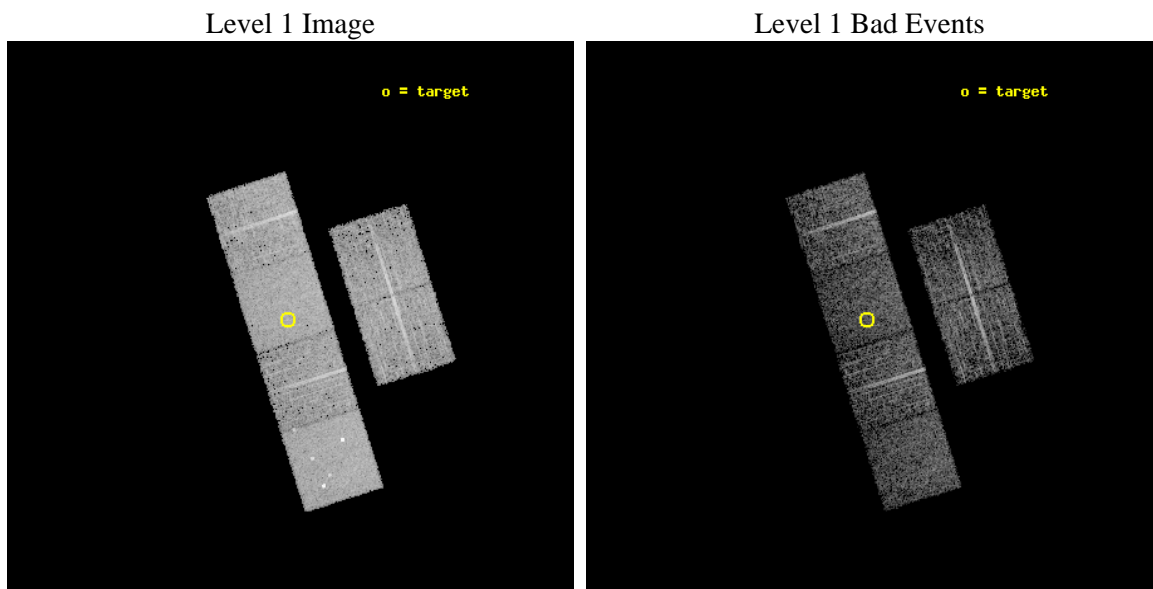
seq_num	400132	Sequence number
obs_id	1919	Observation id
title	CHANDRA OBSERVATIONS OF FAST SPINNING HARD TRANSIENTS IN QUIESCENCE: PROBING THE SPECTRUM DEEP IN THE PROPELLER REGIME	Proposal title
observer	Dr. Sergio Campana	Principal investigator
object	V 0332+53	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.749583	Observer's specified target RA [deg]
dec_targ	53.173111	Observer's specified target Dec [deg]
ra_nom	53.742039437901	Nominal RA [deg]
dec_nom	53.164391523216	Nominal Dec [deg]
roll_nom	252.43268269792	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5145.6000047773	Sum of GTIs [s]
livetime	5080.4433192085	Livetime [s]
ontime2	5145.6000047773	Sum of GTIs [s]
ontime3	5145.6000047773	Sum of GTIs [s]
ontime5	5145.6000047773	Sum of GTIs [s]
ontime6	5145.6000047773	Sum of GTIs [s]
ontime7	5145.6000047773	Sum of GTIs [s]
ontime8	5145.6000047773	Sum of GTIs [s]
l2events	45301	Number of level 2 events



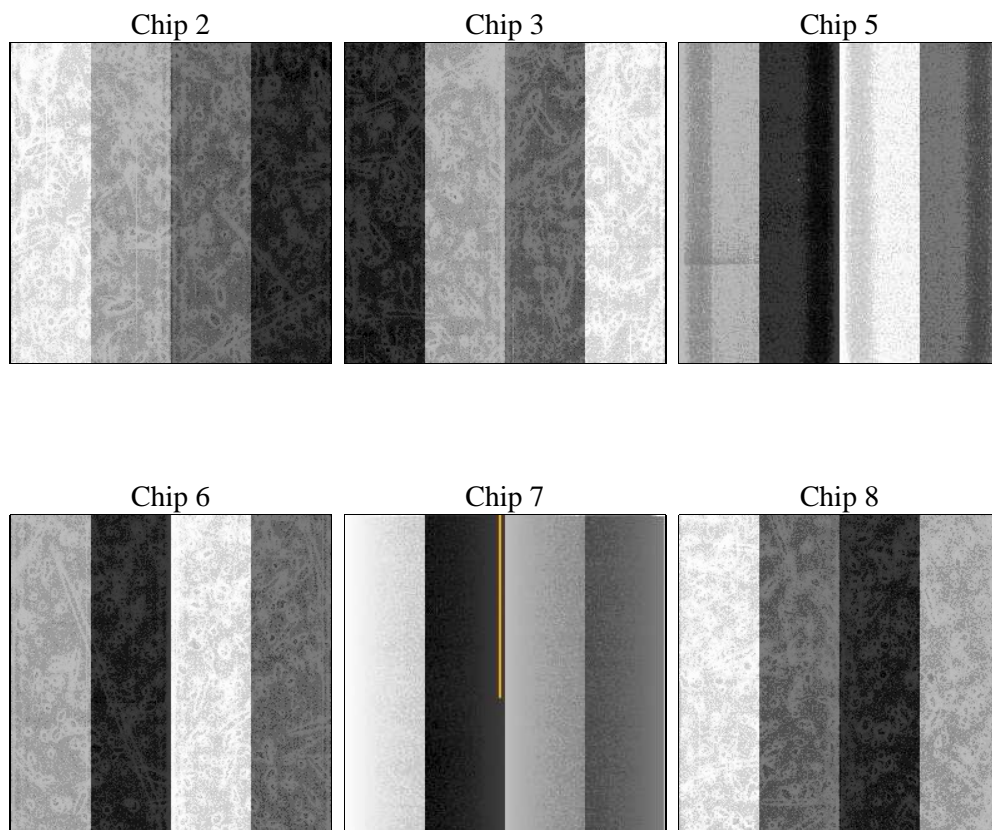
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5145.6000047773	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	5145.6000047773	Sum of GTIs [s]
date	2012-09-06T08:41:01	Date and time of file creation	ontime3	5145.6000047773	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5145.6000047773	Sum of GTIs [s]
			ontime6	5145.6000047773	Sum of GTIs [s]
			ontime7	5145.6000047773	Sum of GTIs [s]
			ontime8	5145.6000047773	Sum of GTIs [s]
			l1events	265950	Number of level 1 events

2.1.4 Events

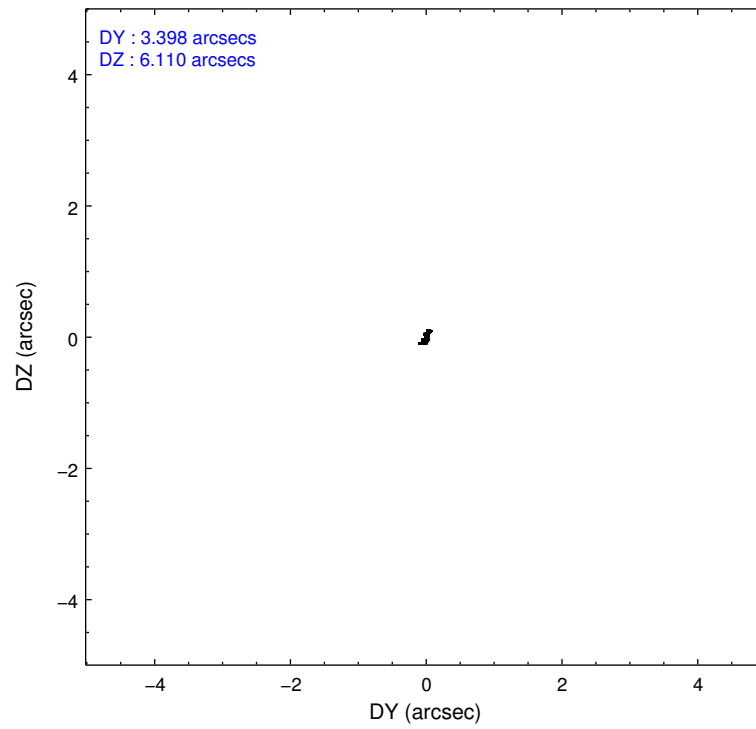
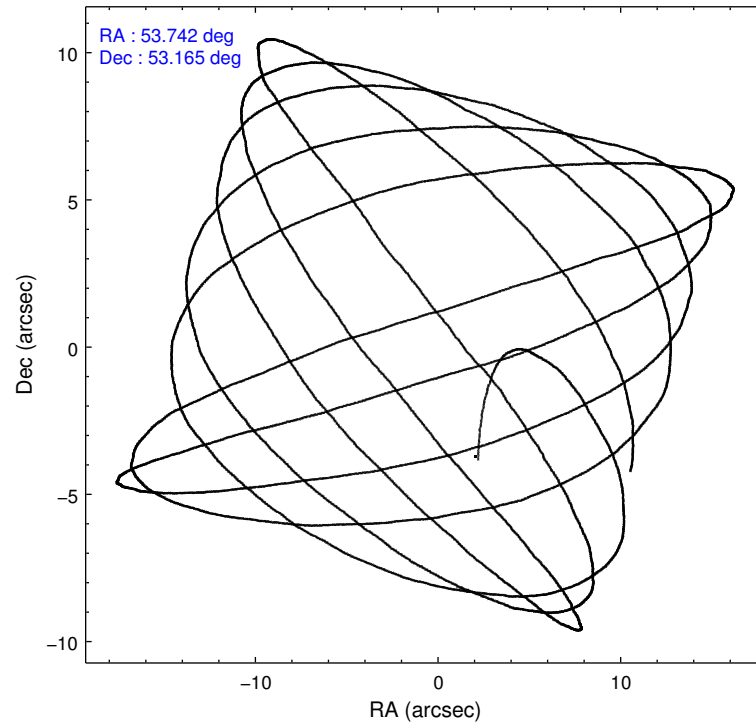
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	40052	37022	55054	37706	48561	47555	grade 0 events	1769	1795	4923	1667	1927	2788
rejected events	36636	33700	34149	34389	32552	40531		4%	4%	8%	4%	3%	5%
rejected %	91%	91%	62%	91%	67%	85%	grade 1 events	21	18	123	13	42	18
								0%	0%	0%	0%	0%	0%
							grade 2 events	911	754	6987	822	3926	1913
								2%	2%	12%	2%	8%	4%
							grade 3 events	382	432	1021	389	1813	991
								0%	1%	1%	1%	3%	2%
							grade 4 events	404	418	1063	438	1864	887
								1%	1%	1%	1%	3%	1%
							grade 5 events	1262	1447	4007	1612	4630	1969
								3%	3%	7%	4%	9%	4%
							grade 6 events	795	797	12285	881	10546	2353
								1%	2%	22%	2%	21%	4%
							grade 7 events	34508	31361	24645	31884	23813	36636
								86%	84%	44%	84%	49%	77%

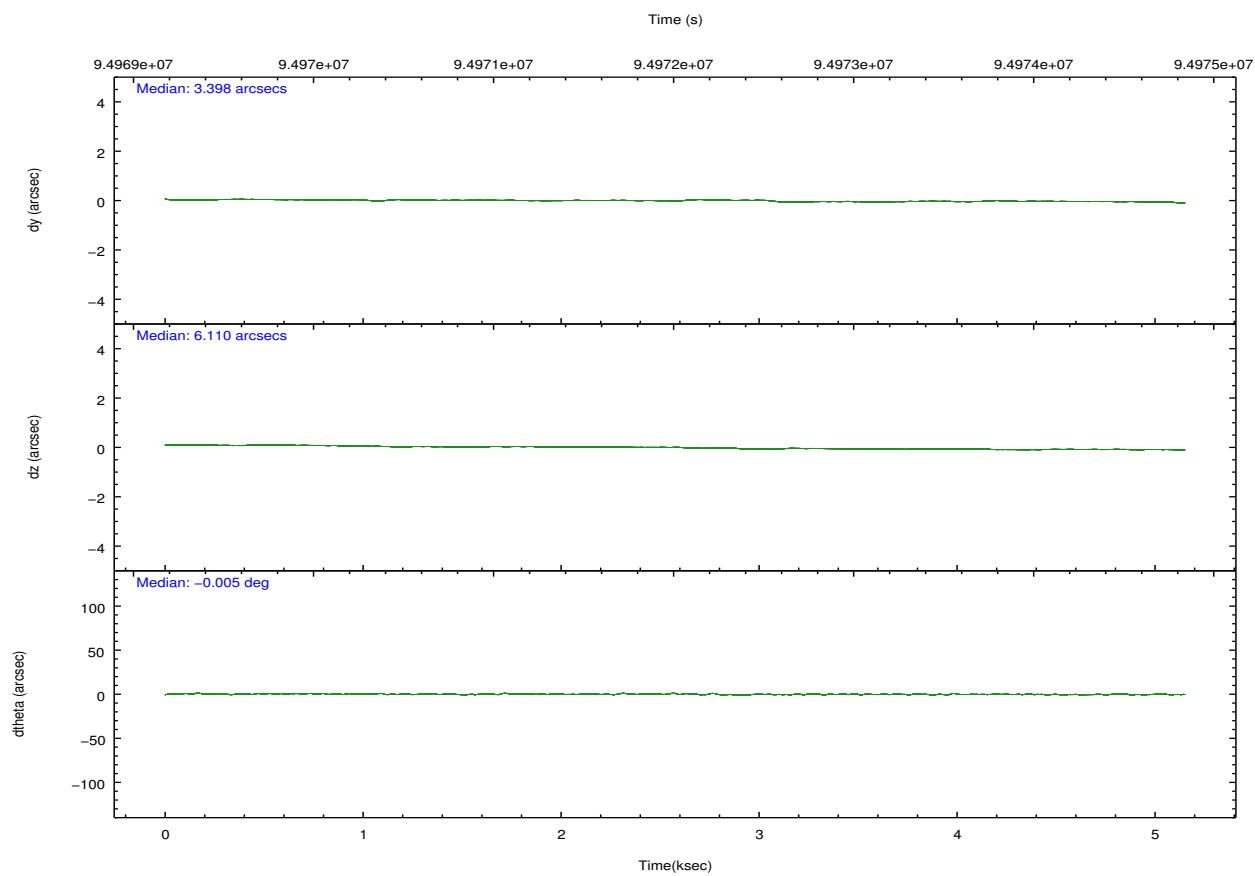
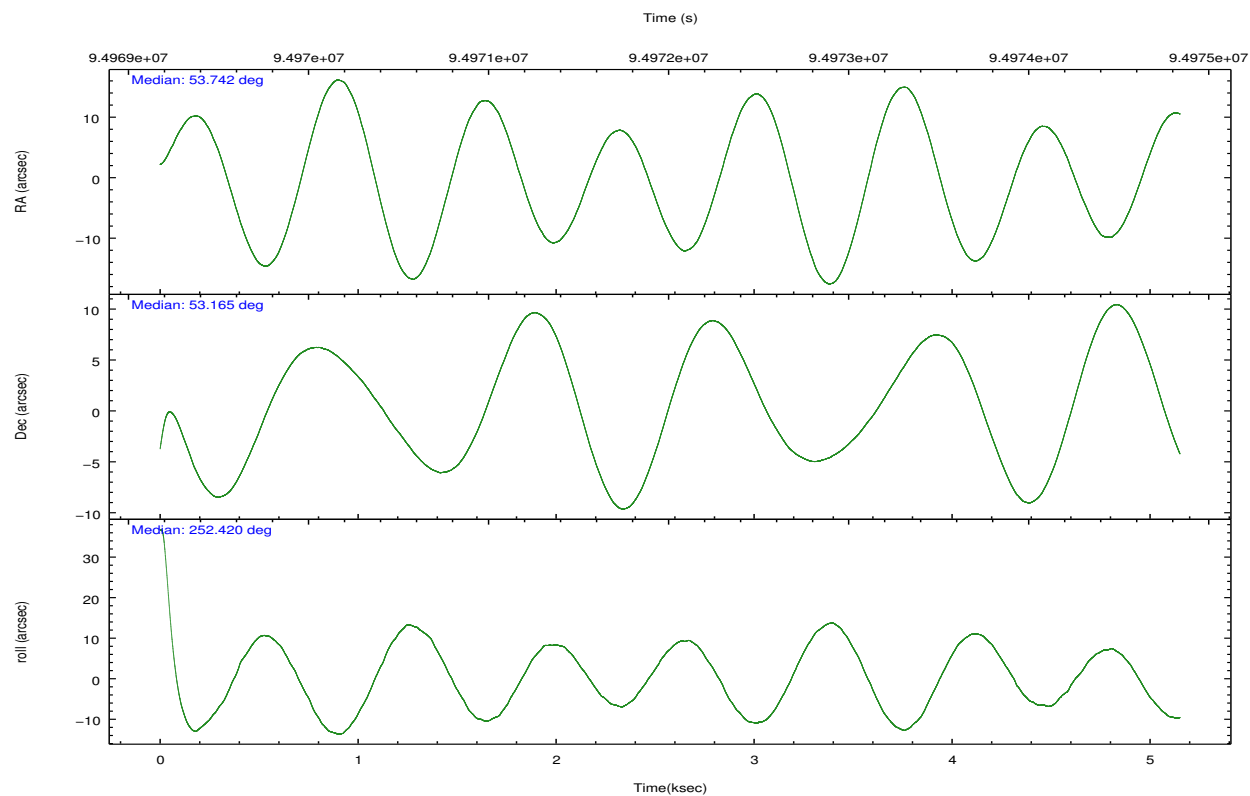
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	53.731700	53.74203943790083
[deg] Pointing Dec	53.191058	53.16439152321645
[deg] Pointing Roll	252.284218	252.4326826979154
[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)	94969584.184000	94967860.99925201
Observation start date	2001-01-04T04:25:20	2001-01-04T03:57:40
[s] Observation end time (MET)	94974584.184000	94975427.03704201
Observation end date	2001-01-04T05:48:40	2001-01-04T06:03:47
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



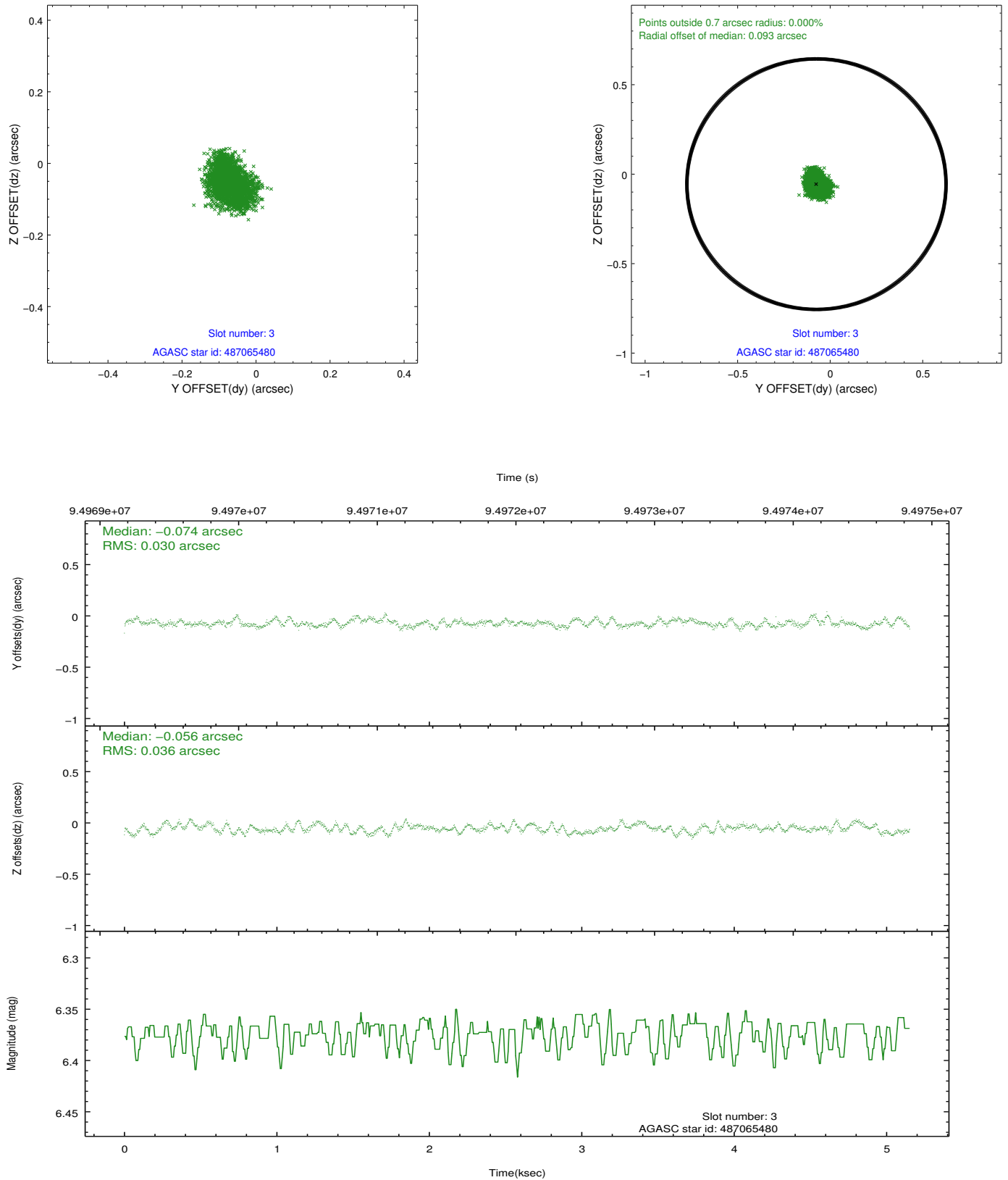


Slot Statistics

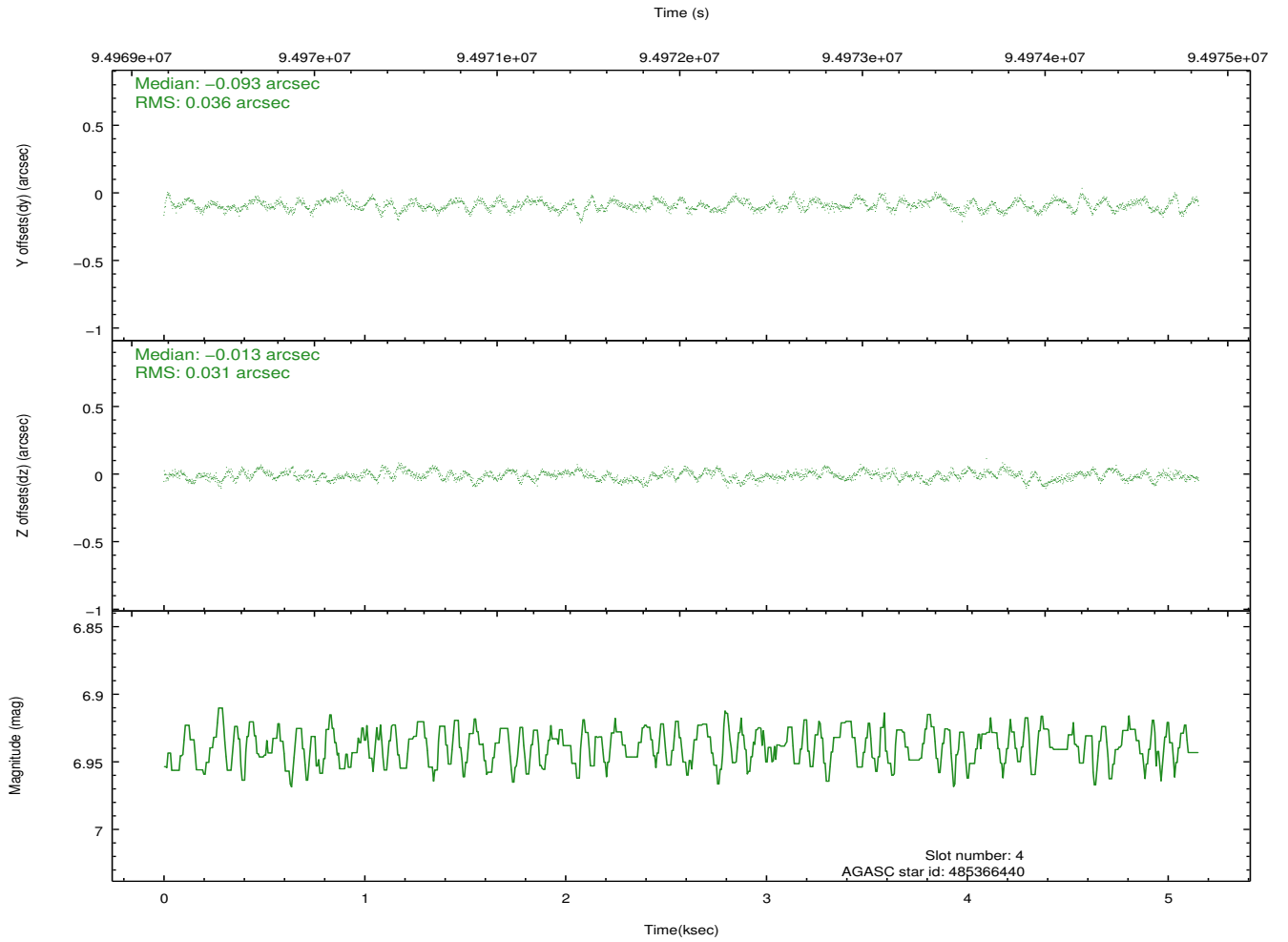
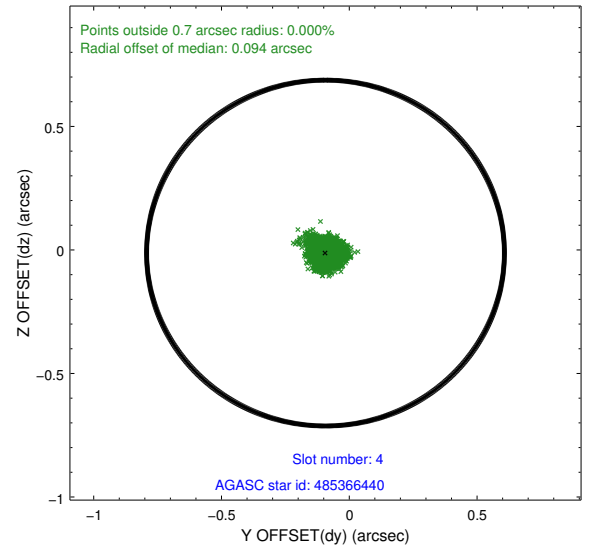
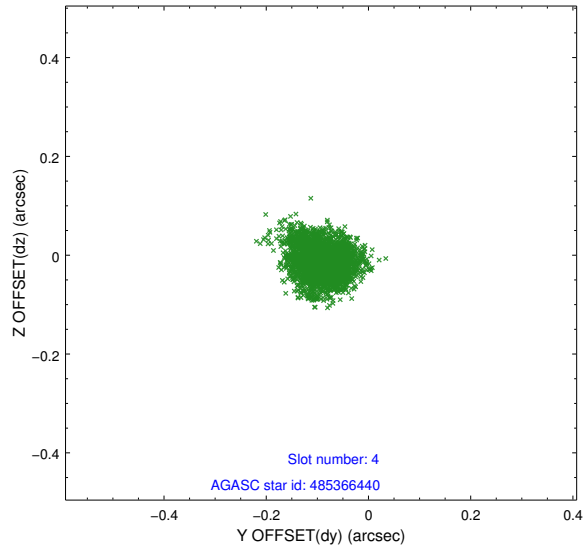
	status	id	mag	n_pts	med_dy	med_dz	dr1
	FID	ACIS-S-2	7.11	1257	-0.022	0.012	0.007
	FID	ACIS-S-4	7.21	1257	-0.004	0.007	0.005
	FID	ACIS-S-5	7.24	1257	-0.006	-0.011	0.007
	GUIDE	487065480	6.37	2514	-0.074	-0.056	0.050
	GUIDE	485366440	6.94	2514	-0.093	-0.013	0.051
	GUIDE	487065288	8.54	2513	-0.018	0.067	0.054
	GUIDE	487066104	9.16	2512	0.181	-0.002	0.072
0.0000.0000.0000.0000000.00000000.000.00							

2.4 Star Slots

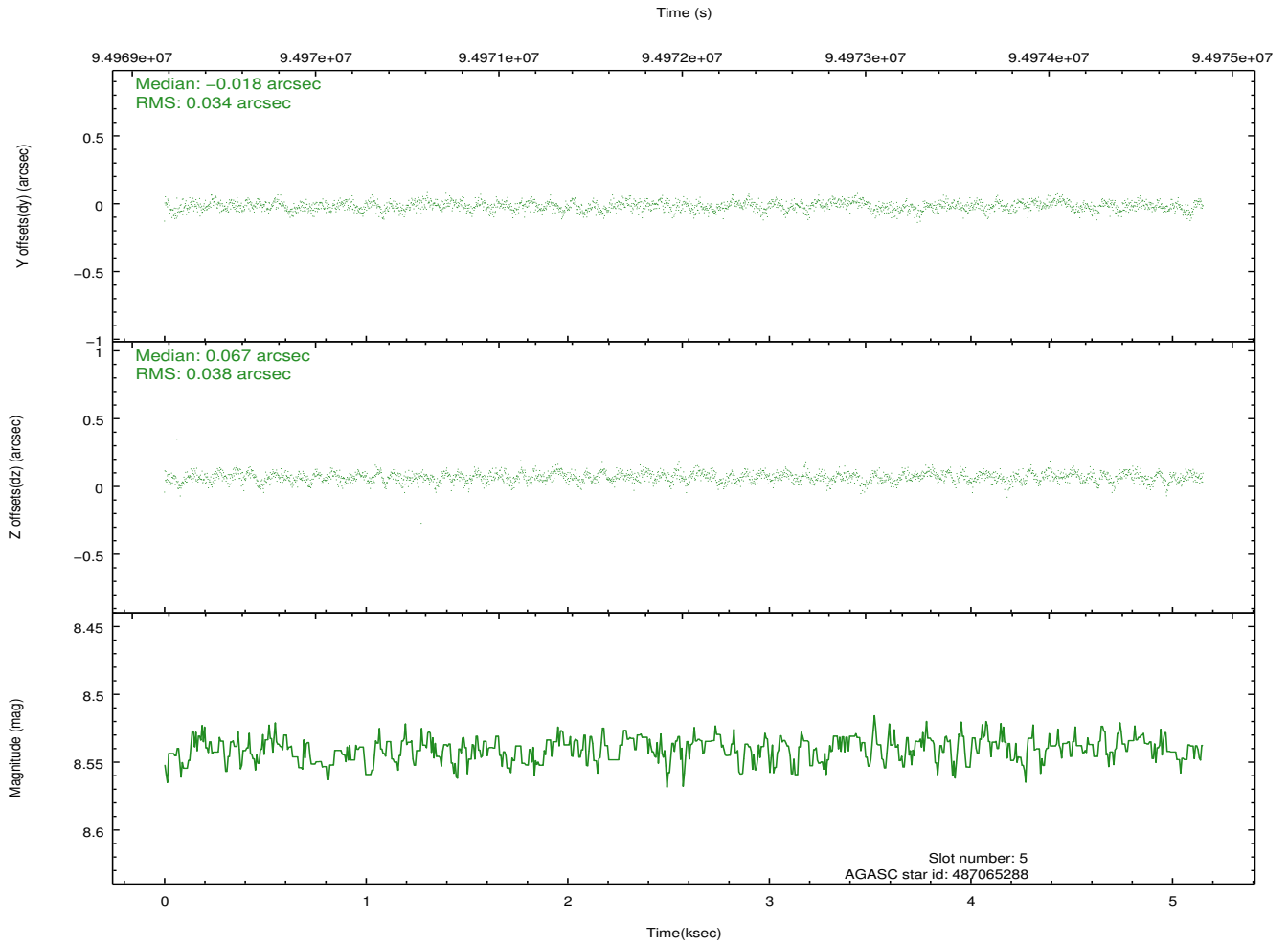
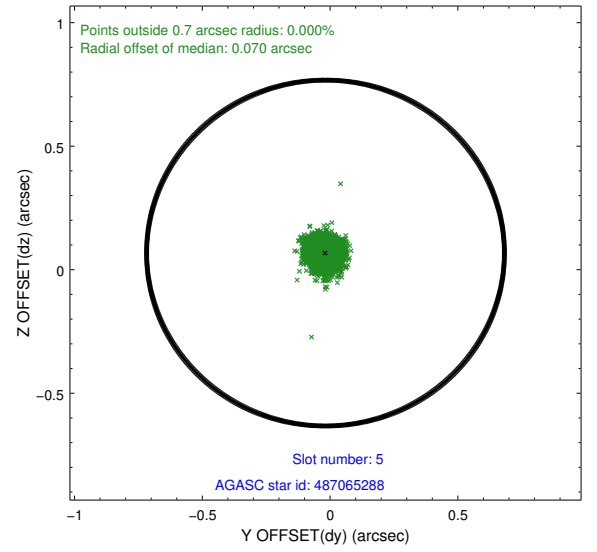
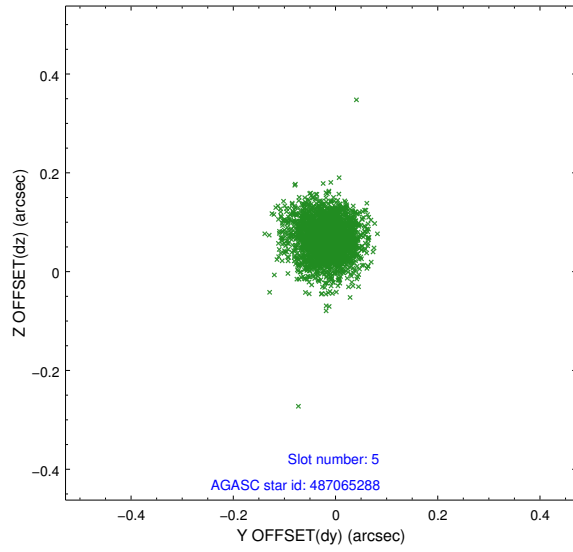
2.4.1 Slot 3



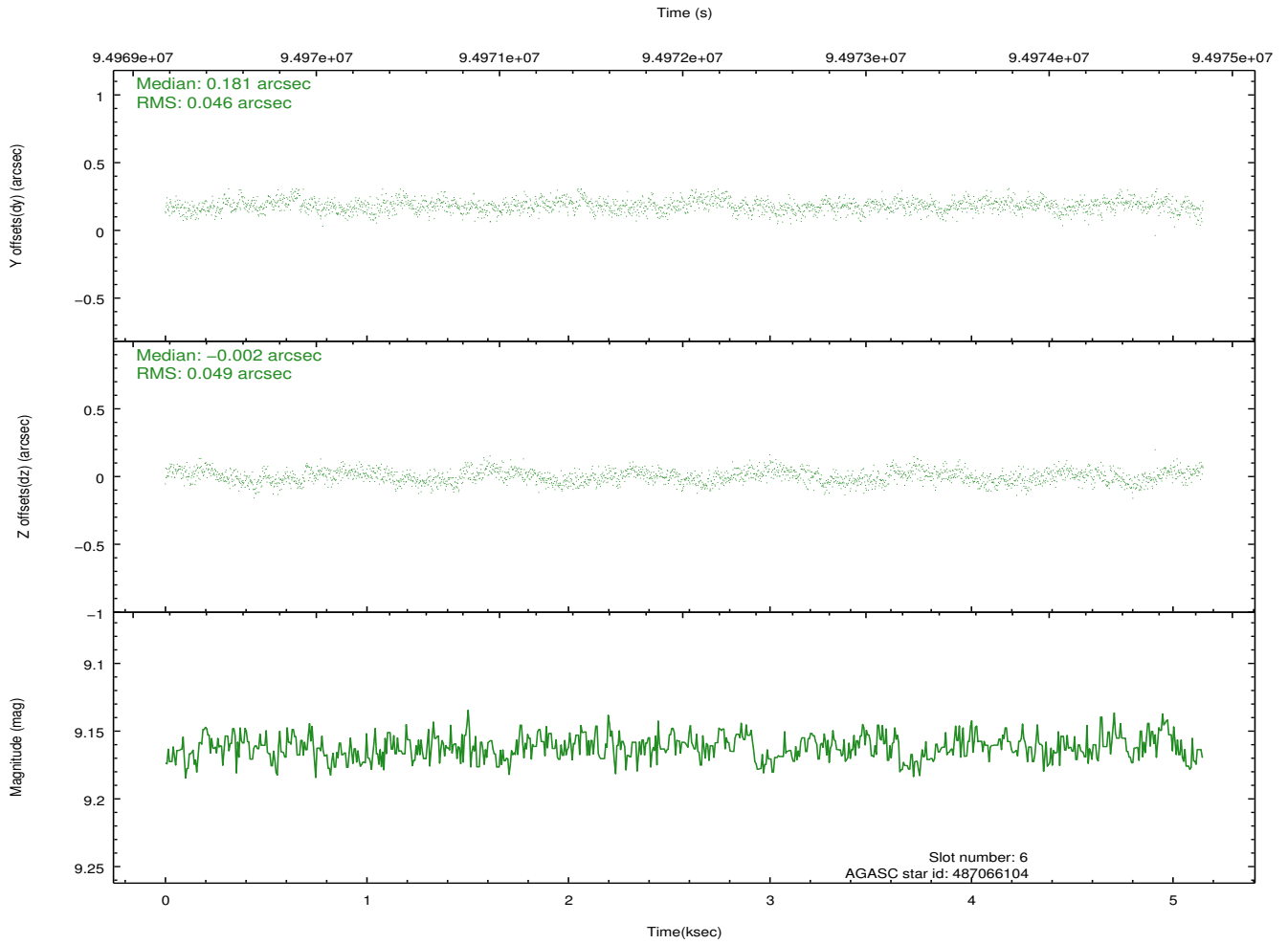
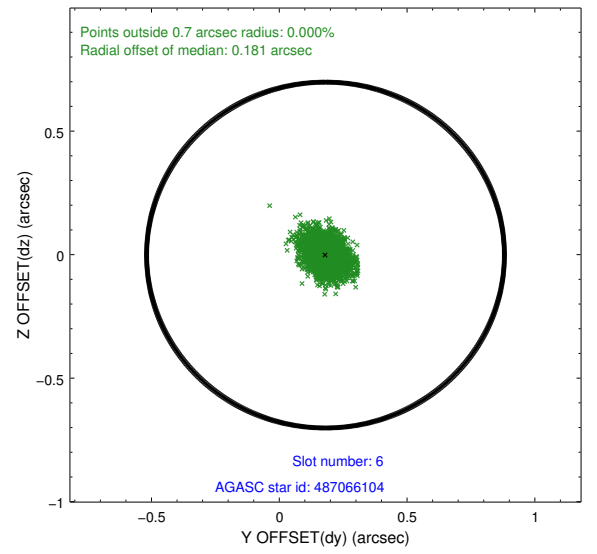
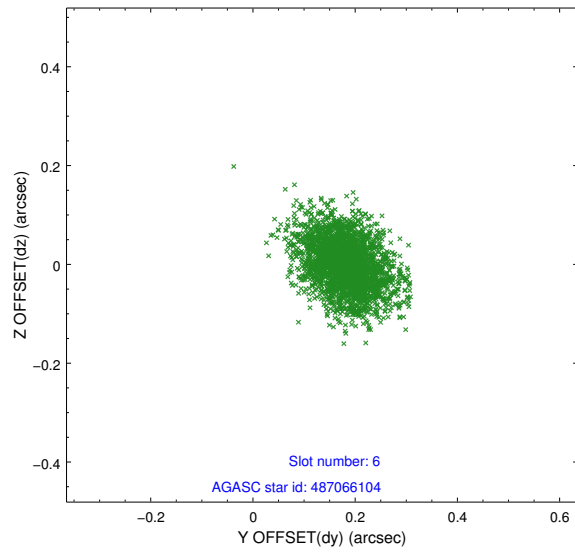
2.4.2 Slot 4



2.4.3 Slot 5

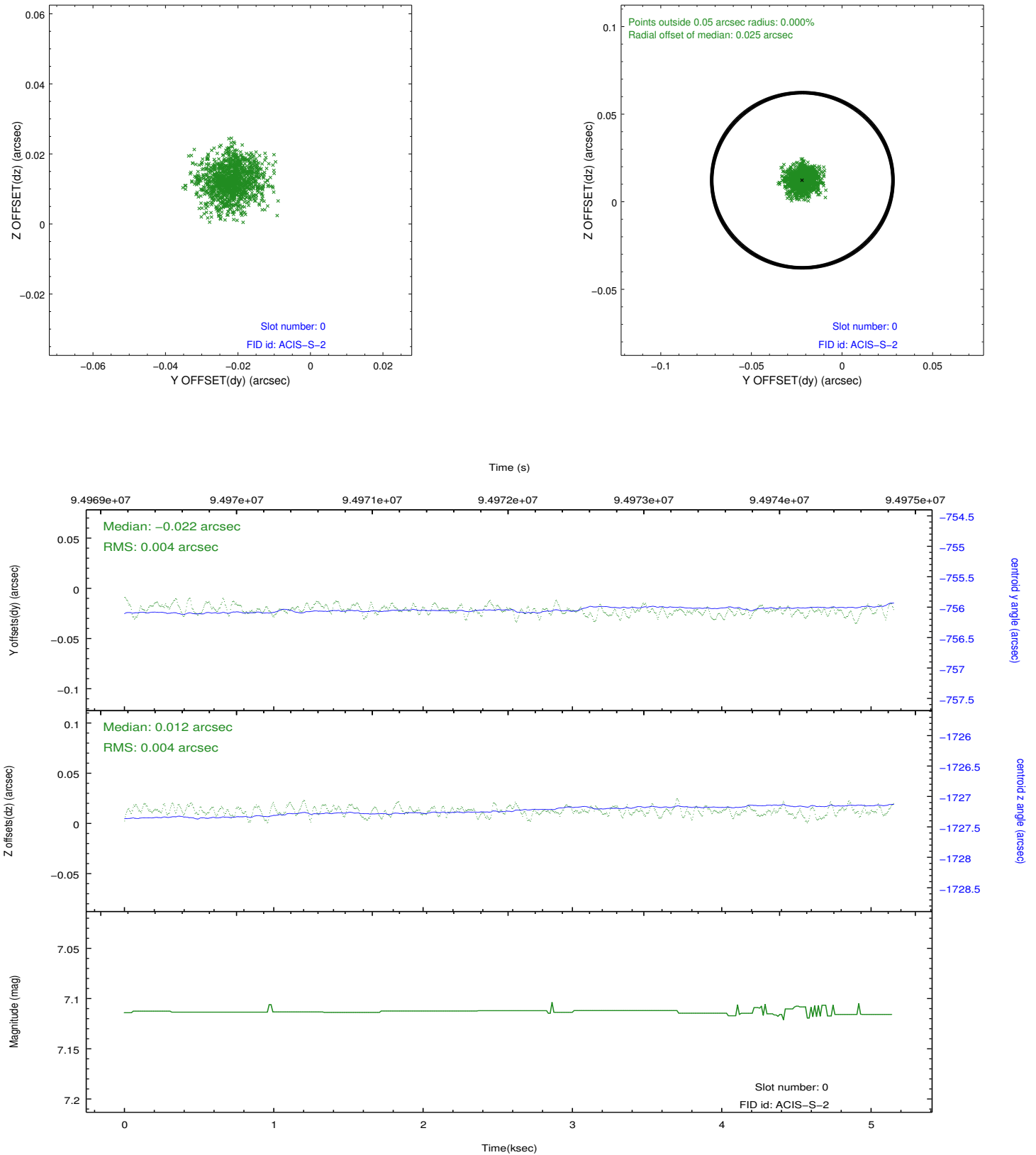


2.4.4 Slot 6

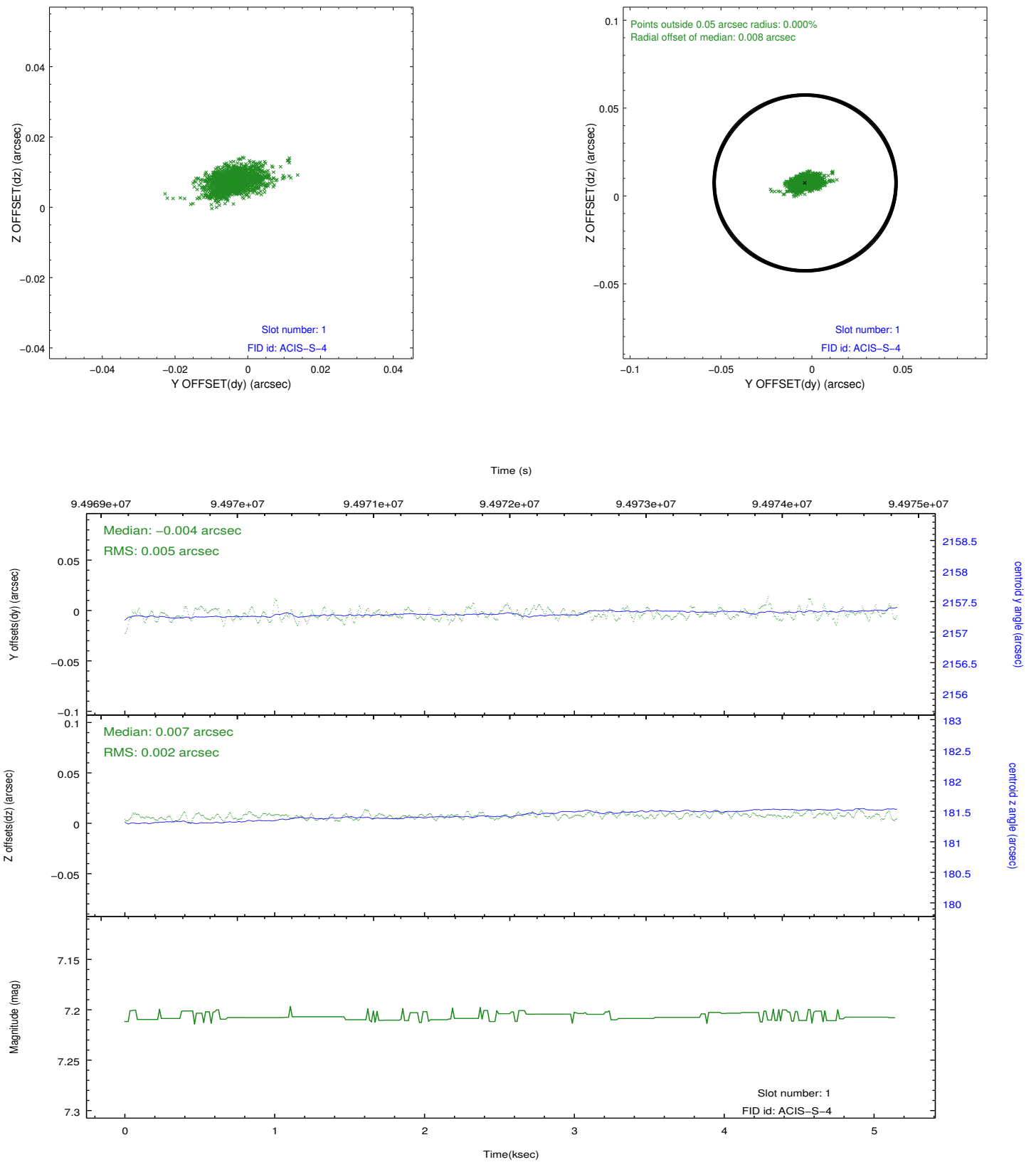


2.5 FID Slots

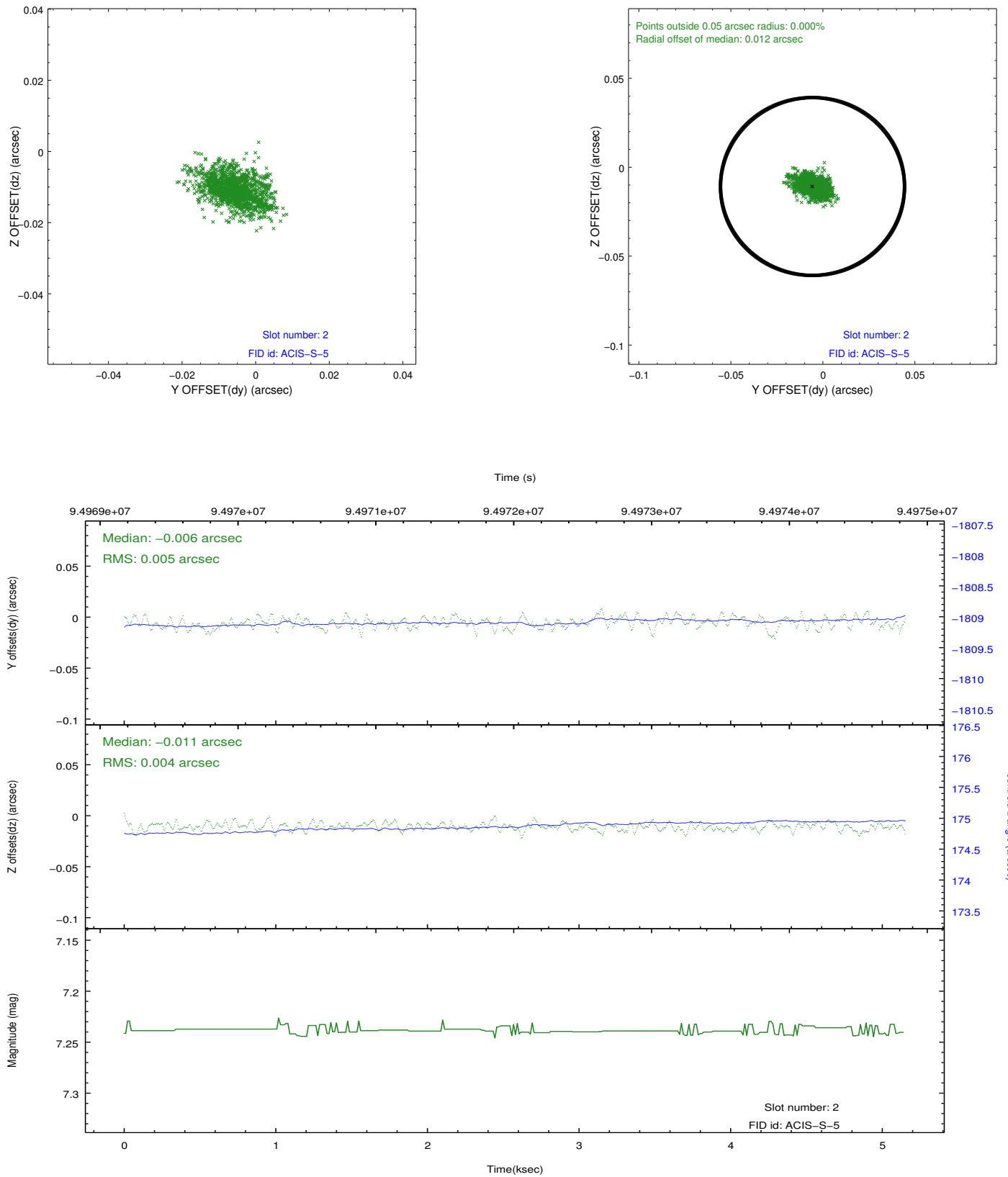
2.5.1 Slot 0



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)	2012.09.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.145

A.2 Comments