

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6564 - L2 Version 2
Chandra X-Ray Center

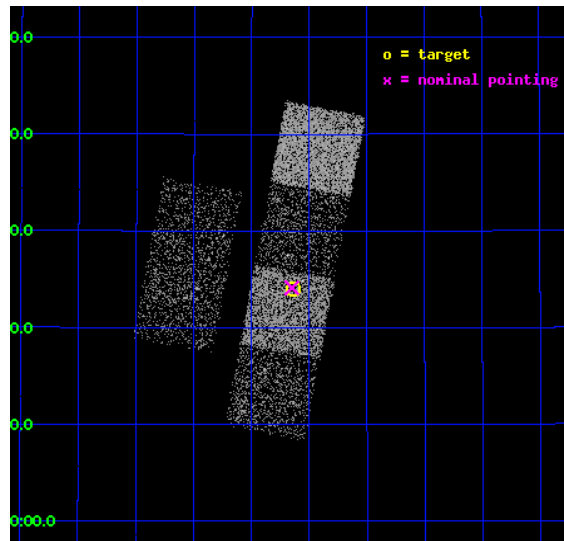
L2 Processing Date : Mar 21 2012

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
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

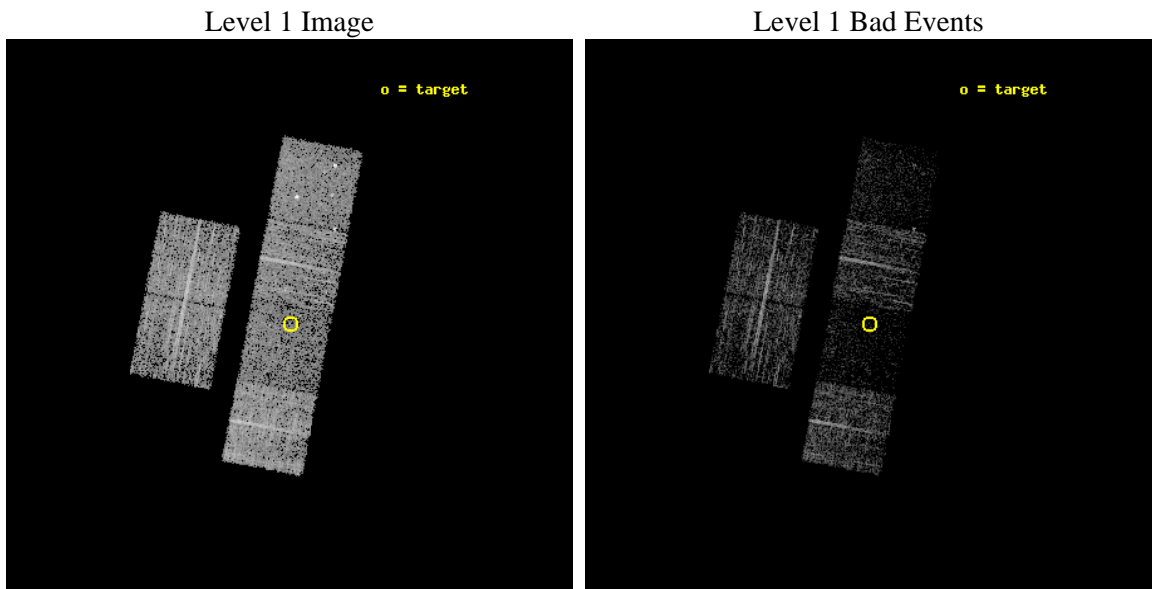
seq_num	300168	Sequence number
obs_id	6564	Observation id
title	X-ray Measures of the Three Newest Double-Degenerate AM CVn's	Pro
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J0926+3624	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	141.660833	Observer's specified target RA [deg]
dec_targ	36.400694	Observer's specified target Dec [deg]
ra_nom	141.6625943942	Nominal RA [deg]
dec_nom	36.402192011489	Nominal Dec [deg]
roll_nom	100.82230189358	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2751.999989748	Sum of GTIs [s]
livetime	2717.1525088224	Livetime [s]
ontime2	2748.7589894533	Sum of GTIs [s]
ontime3	2751.999989748	Sum of GTIs [s]
ontime5	2751.999989748	Sum of GTIs [s]
ontime6	2751.999989748	Sum of GTIs [s]
ontime7	2751.999989748	Sum of GTIs [s]
ontime8	2748.7515585721	Sum of GTIs [s]
l2events	16641	Number of level 2 events



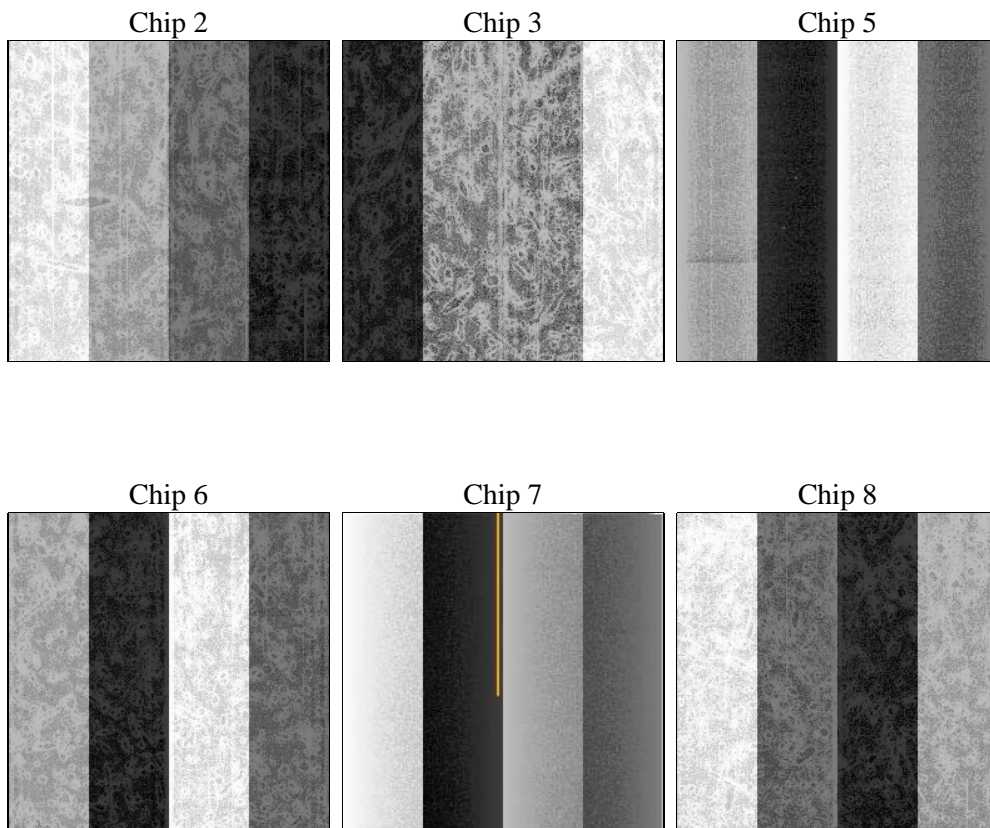
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	2751.999989748	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	2748.7589894533	Sum of GTIs [s]
date	2012-03-22T00:35:43	Date and time of file creation	ontime3	2751.999989748	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2751.999989748	Sum of GTIs [s]
			ontime6	2751.999989748	Sum of GTIs [s]
			ontime7	2751.999989748	Sum of GTIs [s]
			ontime8	2748.7515585721	Sum of GTIs [s]
			l1events	90330	Number of level 1 events

2.1.4 Events

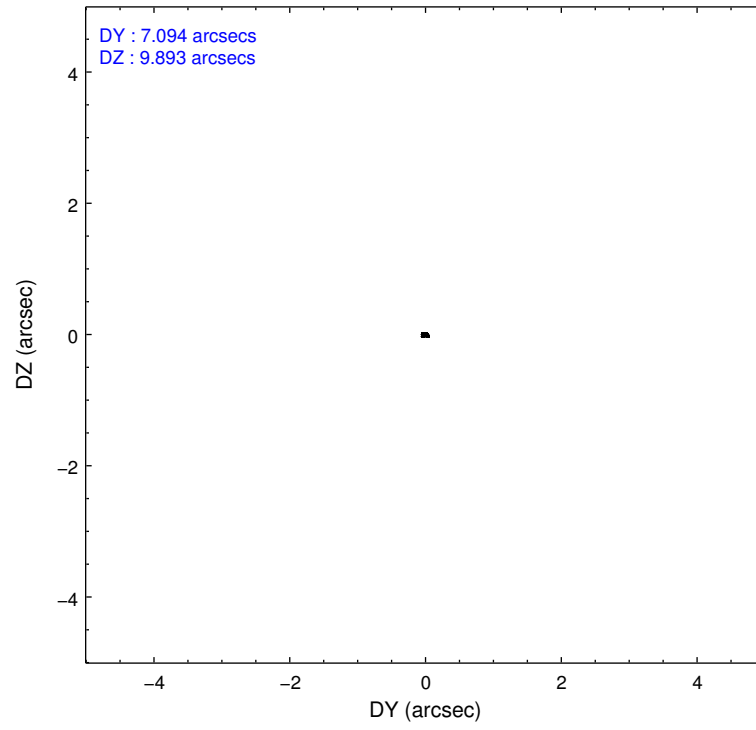
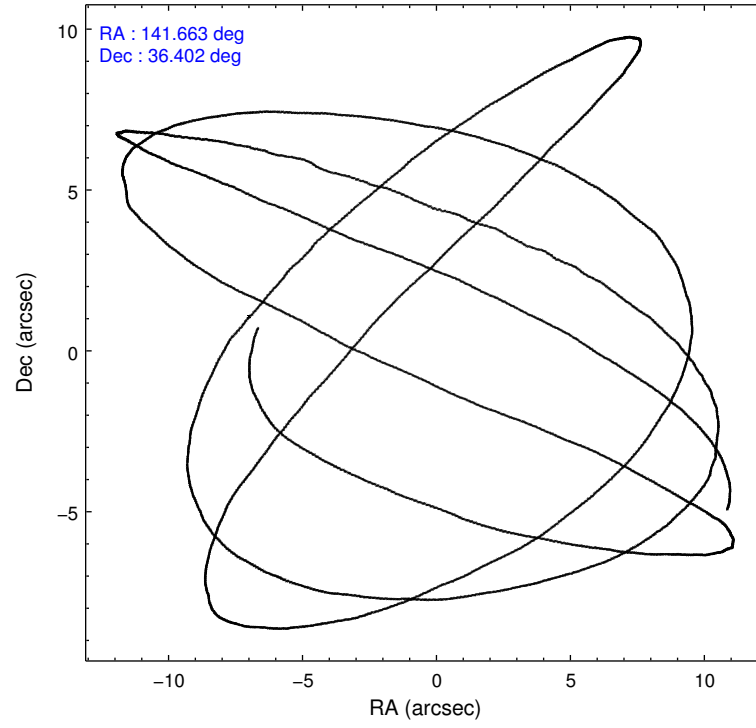
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	16640	15044	14276	15008	8895	20467
rejected events	15403	13789	5143	13549	3734	15902
rejected %	92%	91%	36%	90%	41%	77%

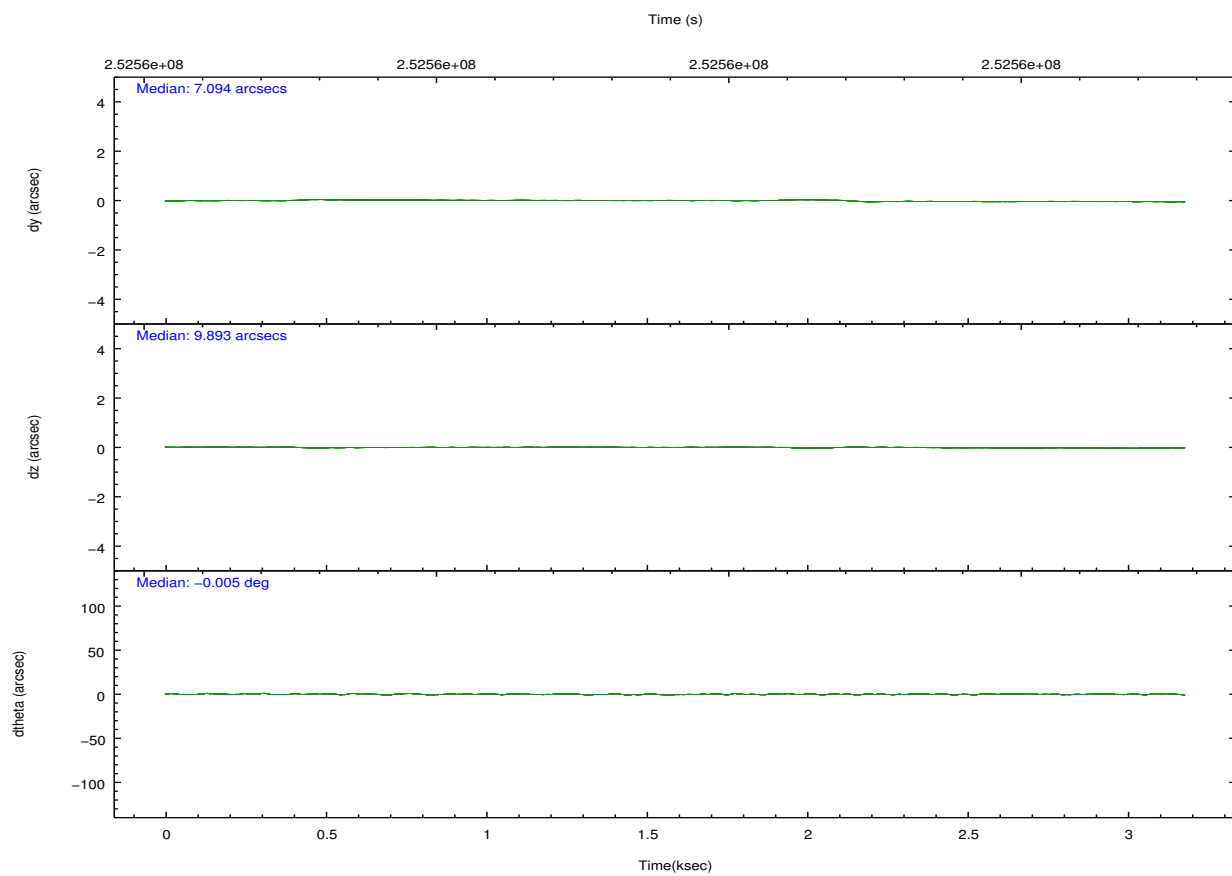
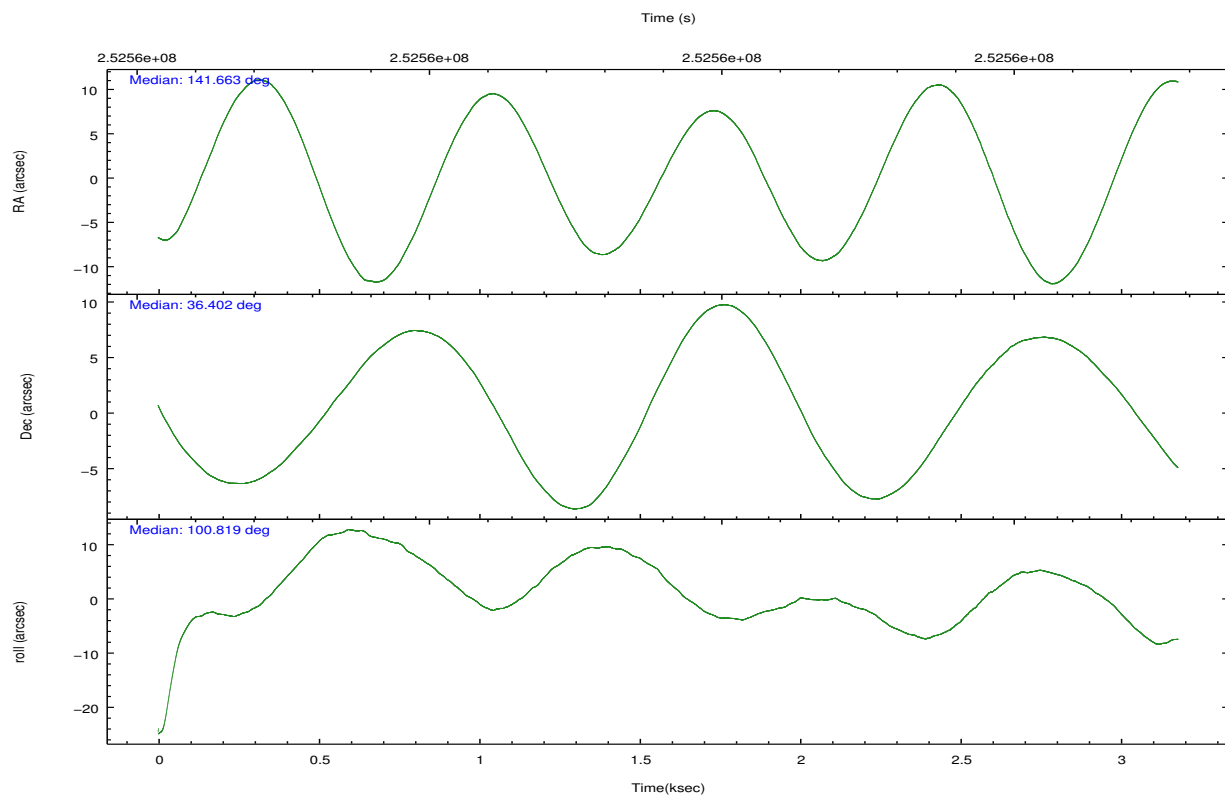
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	524	534	1623	628	713	1438
	3%	3%	11%	4%	8%	7%
grade 1 events	16	9	94	11	17	26
	0%	0%	0%	0%	0%	0%
grade 2 events	282	283	3199	305	1217	1020
	1%	1%	22%	2%	13%	4%
grade 3 events	122	147	393	153	574	534
	0%	0%	2%	1%	6%	2%
grade 4 events	147	124	421	159	553	514
	0%	0%	2%	1%	6%	2%
grade 5 events	245	278	1089	305	895	492
	1%	1%	7%	2%	10%	2%
grade 6 events	164	169	3518	219	2122	1067
	0%	1%	24%	1%	23%	5%
grade 7 events	15140	13500	3939	13228	2804	15376
	90%	89%	27%	88%	31%	75%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	141.685038	141.6625943942005	Subarray requested	NONE	NONE
[deg] Pointing Dec	36.381866	36.40219201148859	Alternating exposures requested	N	N
[deg] Pointing Roll	100.652445	100.8223018935797	[s] Primary exposure time	0.000000	3.2
[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)	252561409.184000	252560779.77058			
Observation start date	2006-01-02T03:55:44	2006-01-02T03:46:19			
[s] Observation end time (MET)	252564409.184000	252565068.88328			
Observation end date	2006-01-02T04:45:44	2006-01-02T04:57:48			
Read mode	TIMED	TIMED			

2.3 Aspect



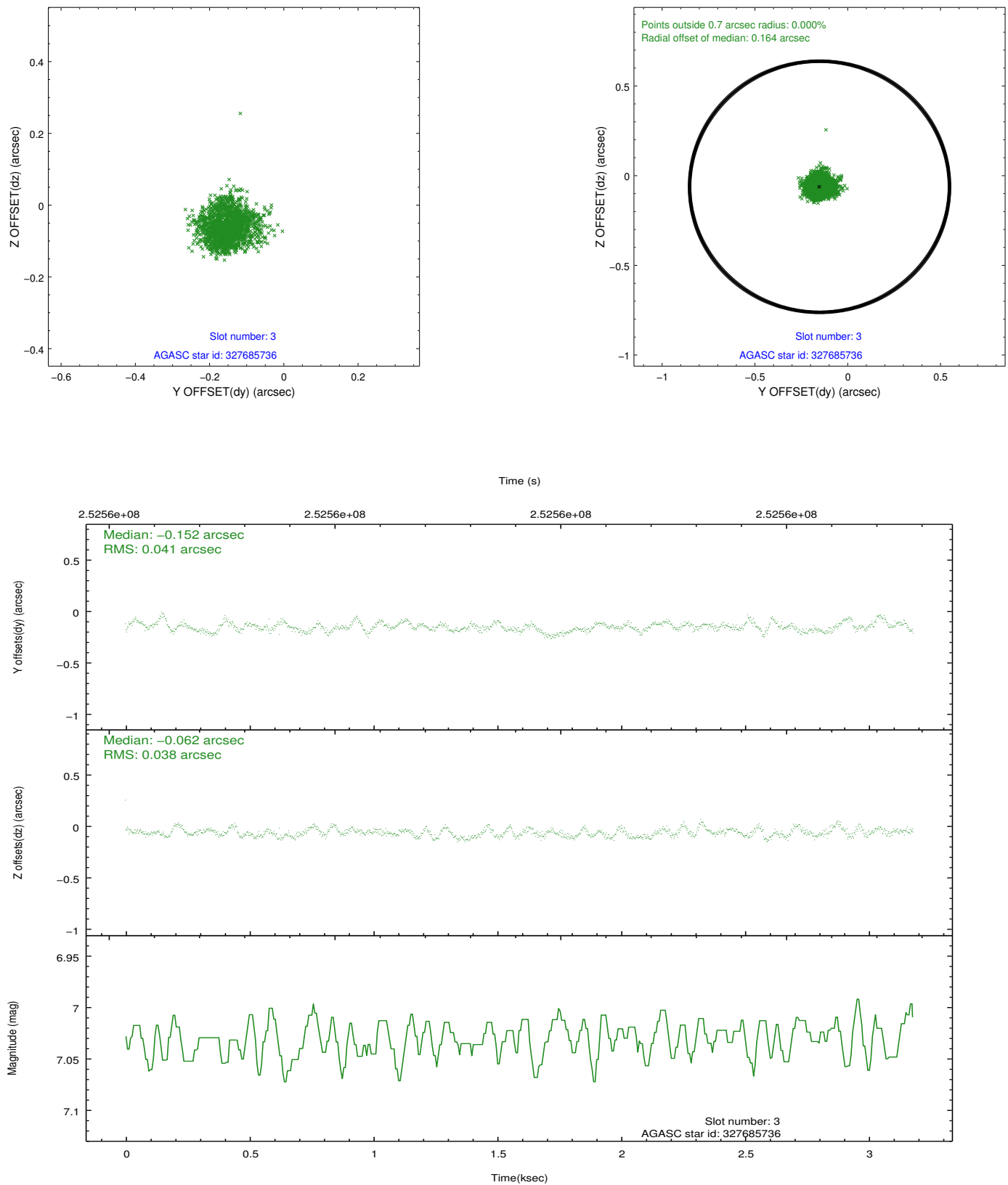


Slot Statistics

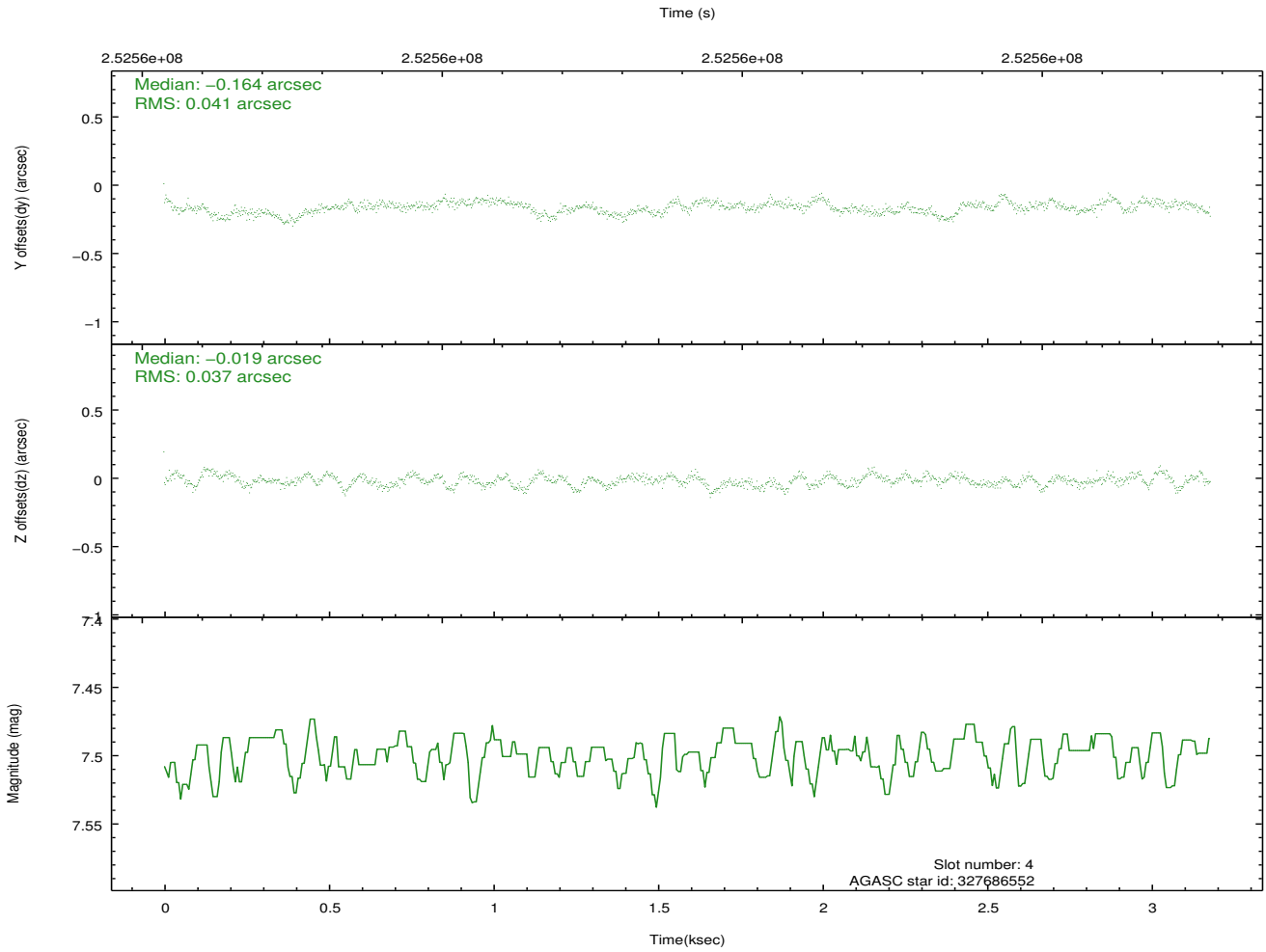
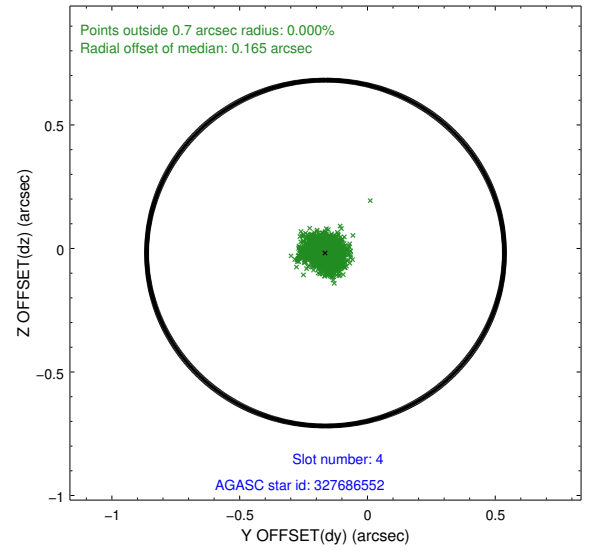
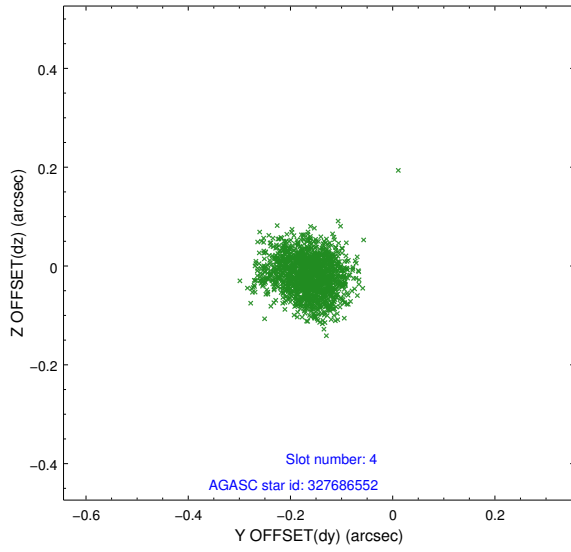
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	776	-0.056	-0.030	0.008	0.015	0.000000	0.000000	-759.86	-1731.18
1	FID	ACIS-S-4	7.21	776	0.104	0.035	0.007	0.016	0.000000	0.000000	2152.63	175.36
2	FID	ACIS-S-5	7.24	776	-0.080	0.004	0.007	0.012	0.000000	0.000000	-1810.19	171.20
3	GUIDE	327685736	7.03	1552	-0.152	-0.062	0.060	0.092	141.093695	36.587090	1047.08	1542.89
4	GUIDE	327686552	7.50	1552	-0.164	-0.019	0.059	0.094	141.356893	36.469755	488.66	875.86
5	GUIDE	327688080	9.30	1549	0.139	-0.079	0.113	0.186	141.010134	35.740320	-1898.08	2364.32
6	GUIDE	327688688	8.30	1552	0.129	-0.059	0.053	0.086	141.574830	35.705057	-2335.78	768.65
7	GUIDE	327691864	6.26	1551	0.049	0.222	0.055	0.087	142.140775	36.160722	-1025.44	-1154.45

2.4 Star Slots

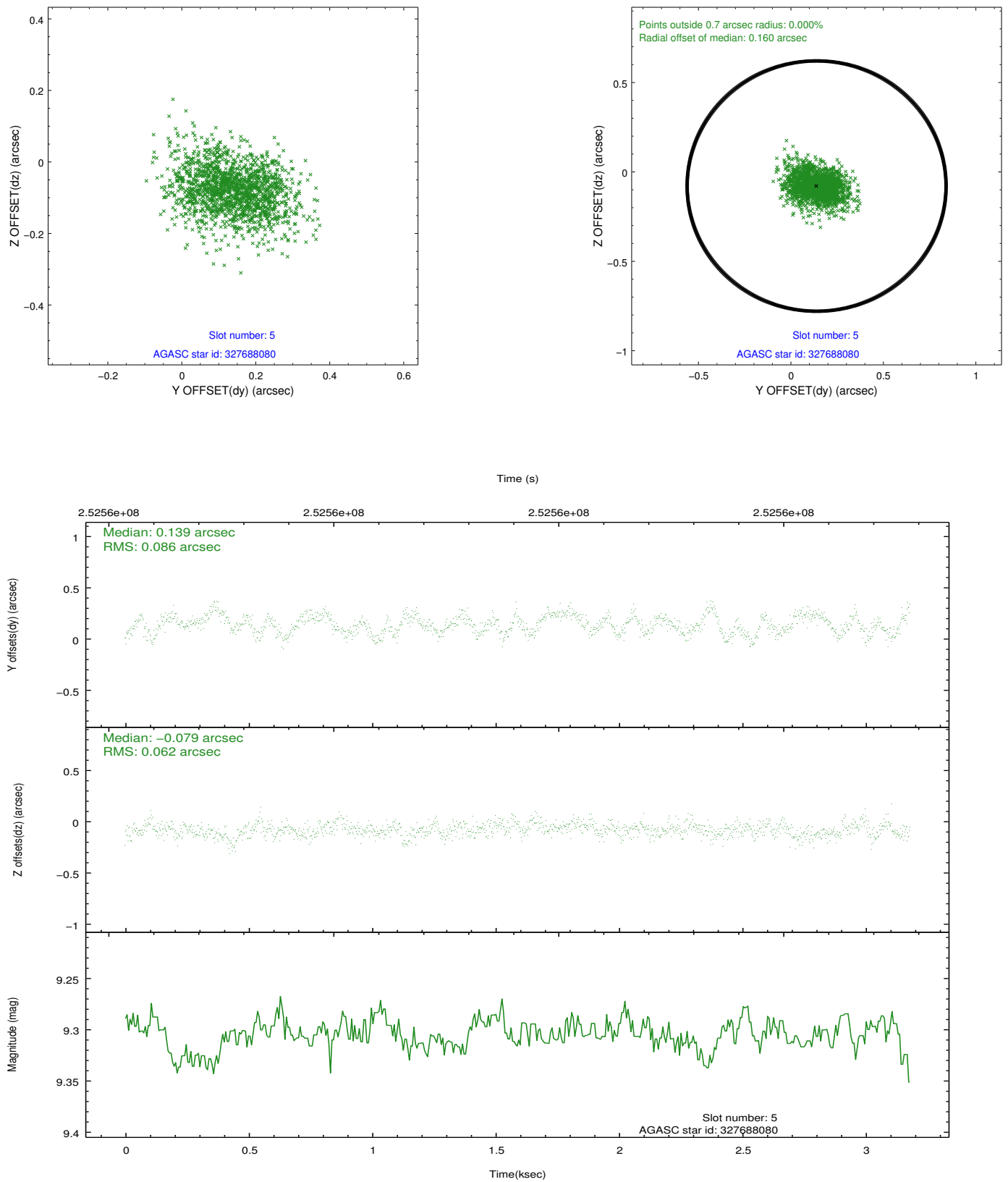
2.4.1 Slot 3



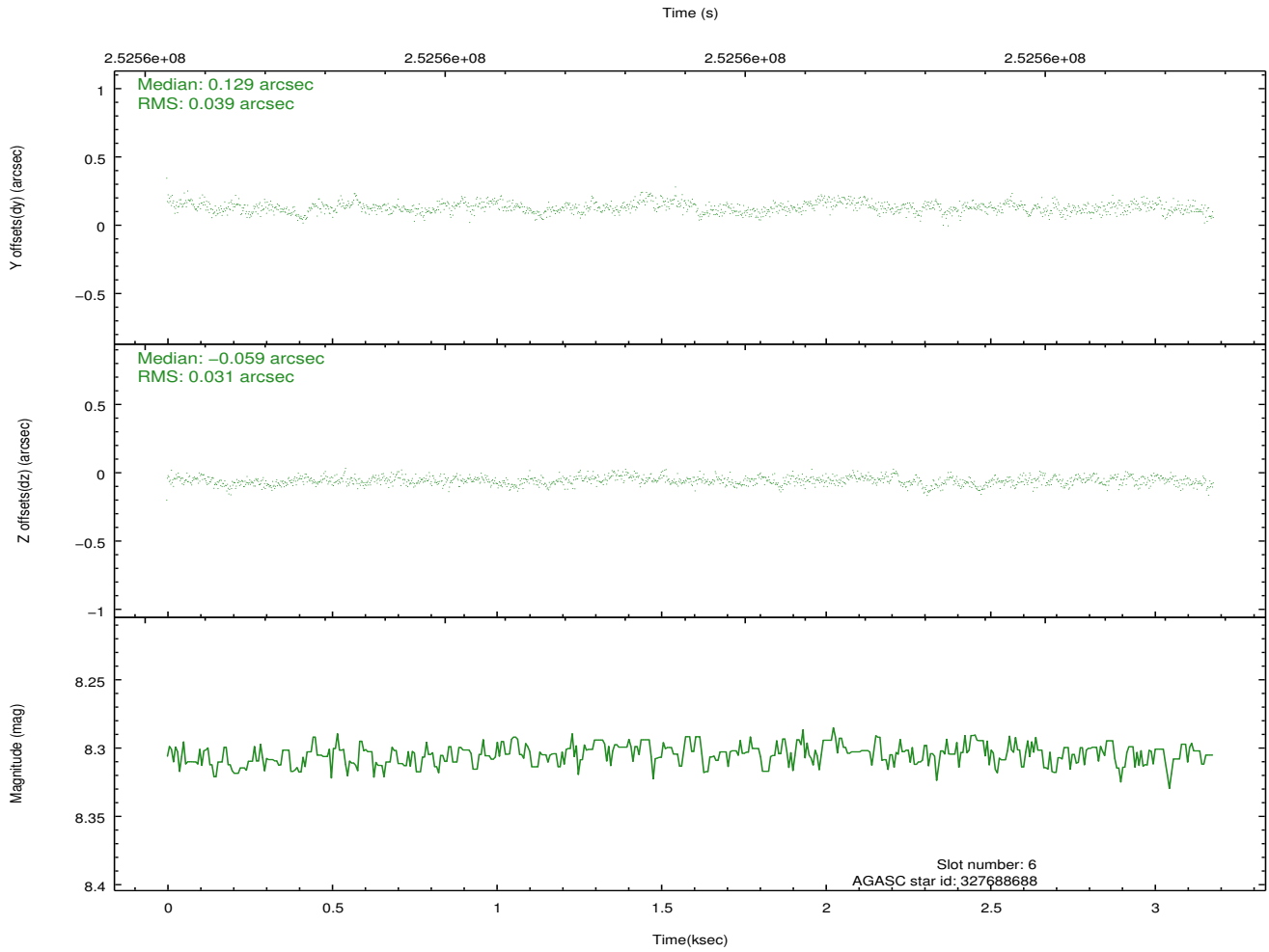
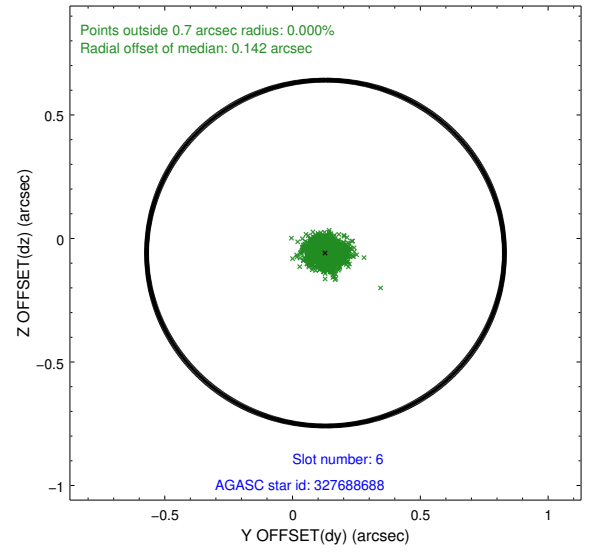
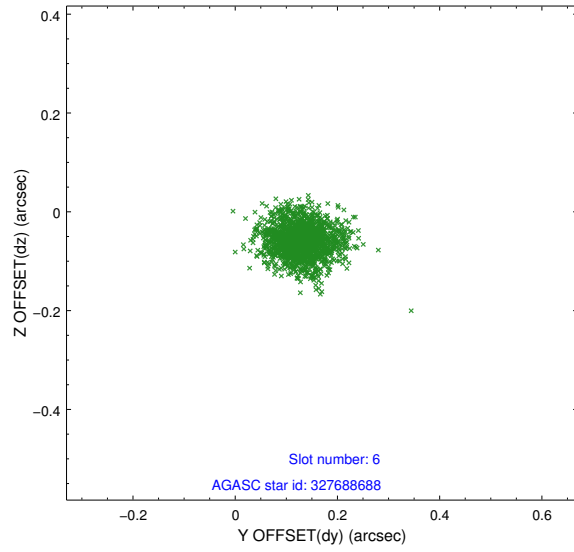
2.4.2 Slot 4



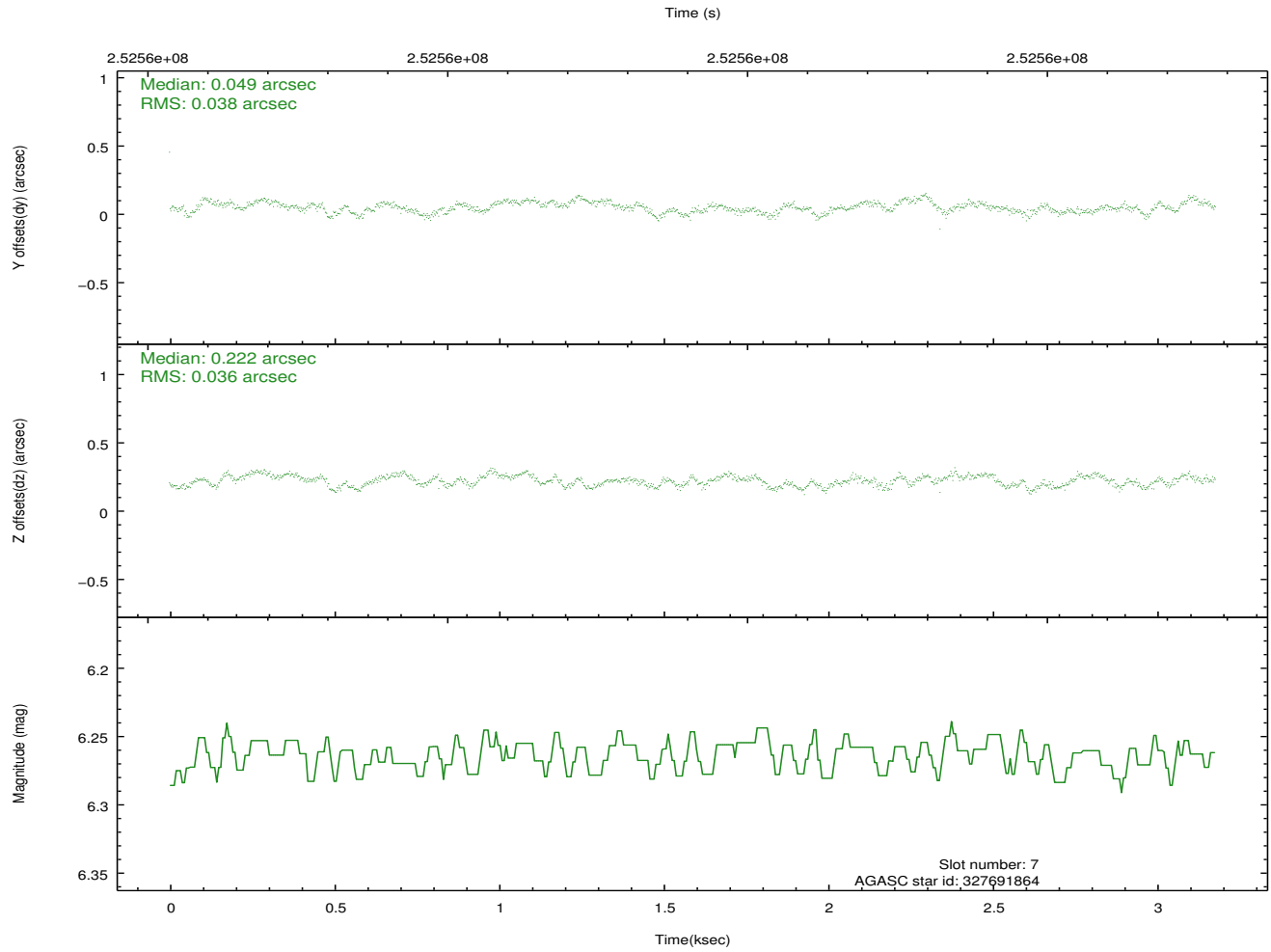
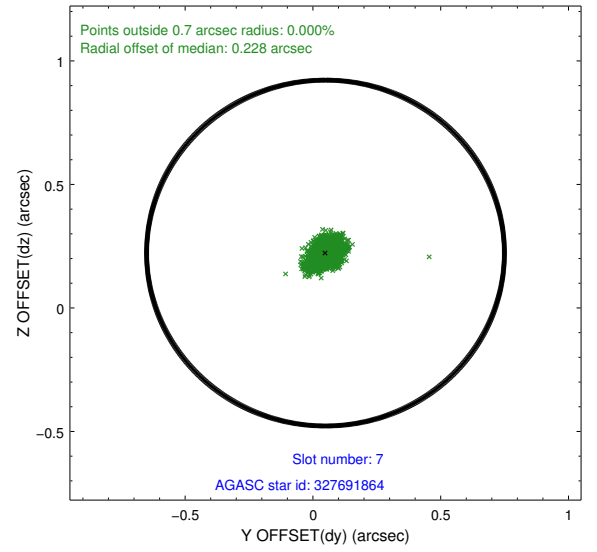
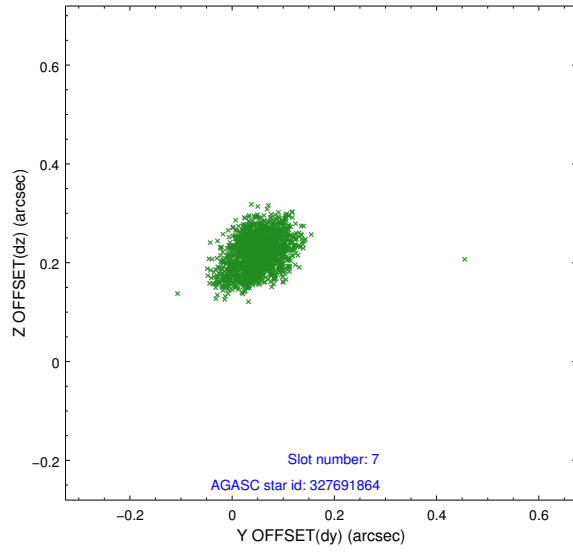
2.4.3 Slot 5



2.4.4 Slot 6

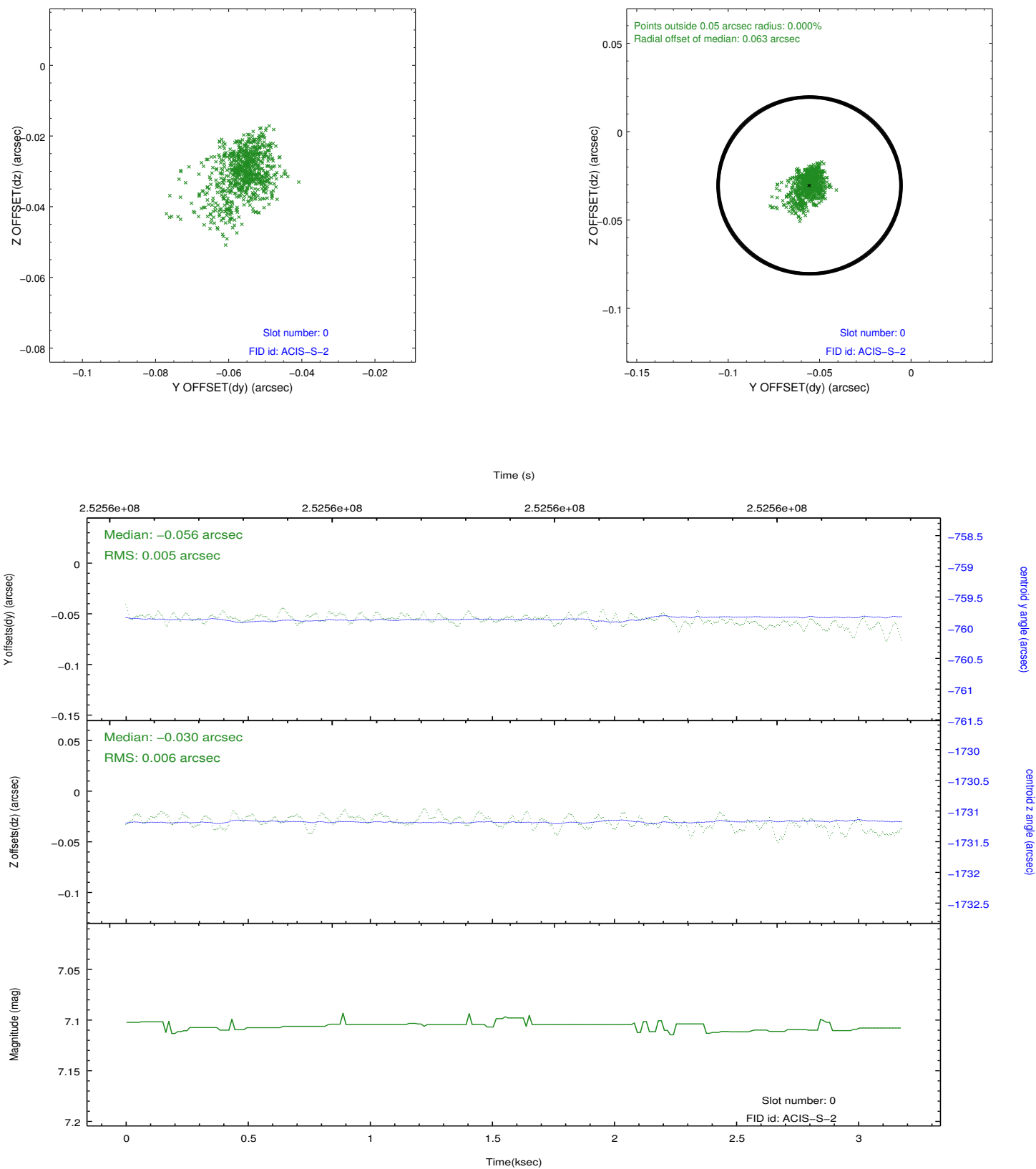


2.4.5 Slot 7

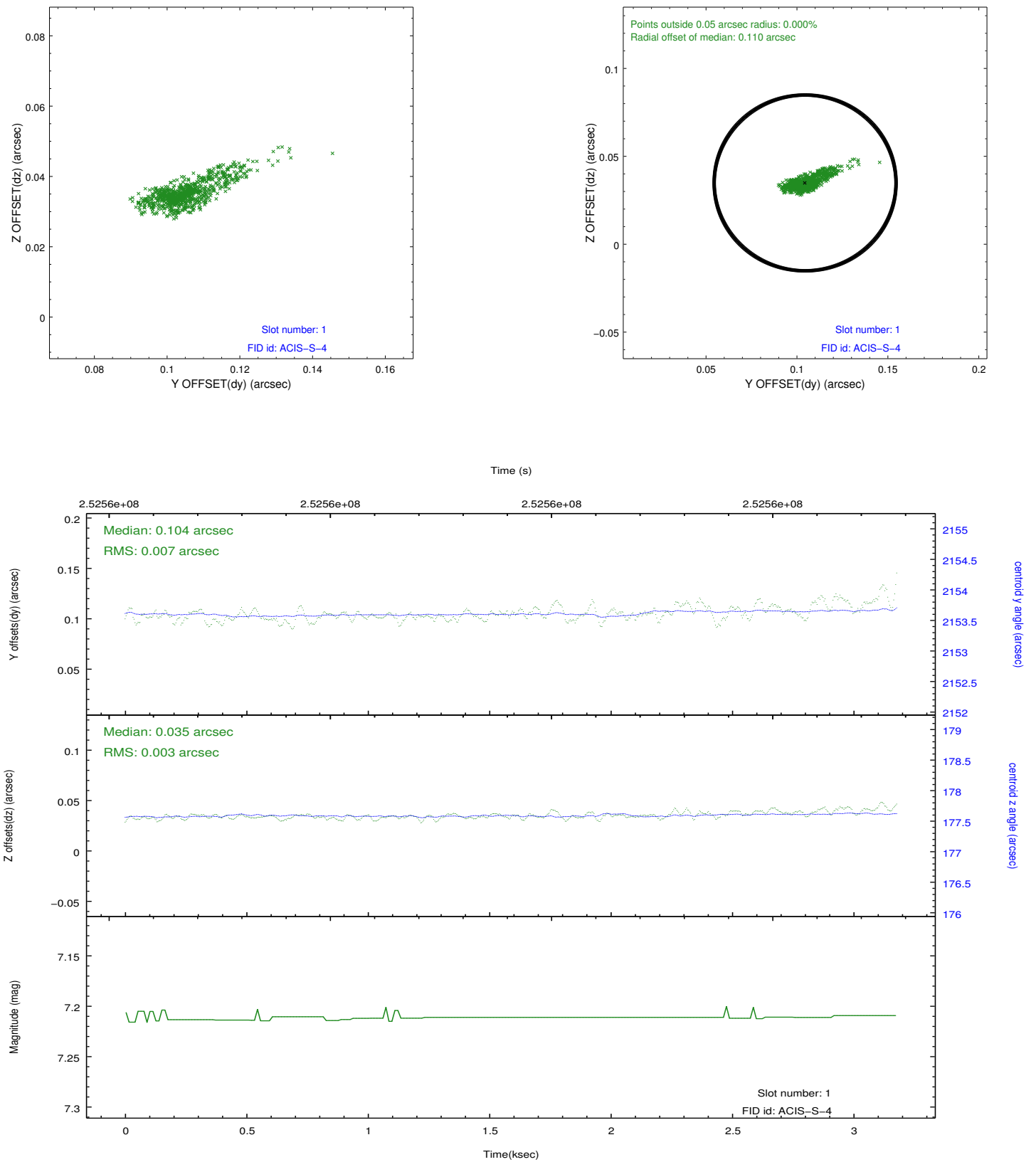


2.5 FID Slots

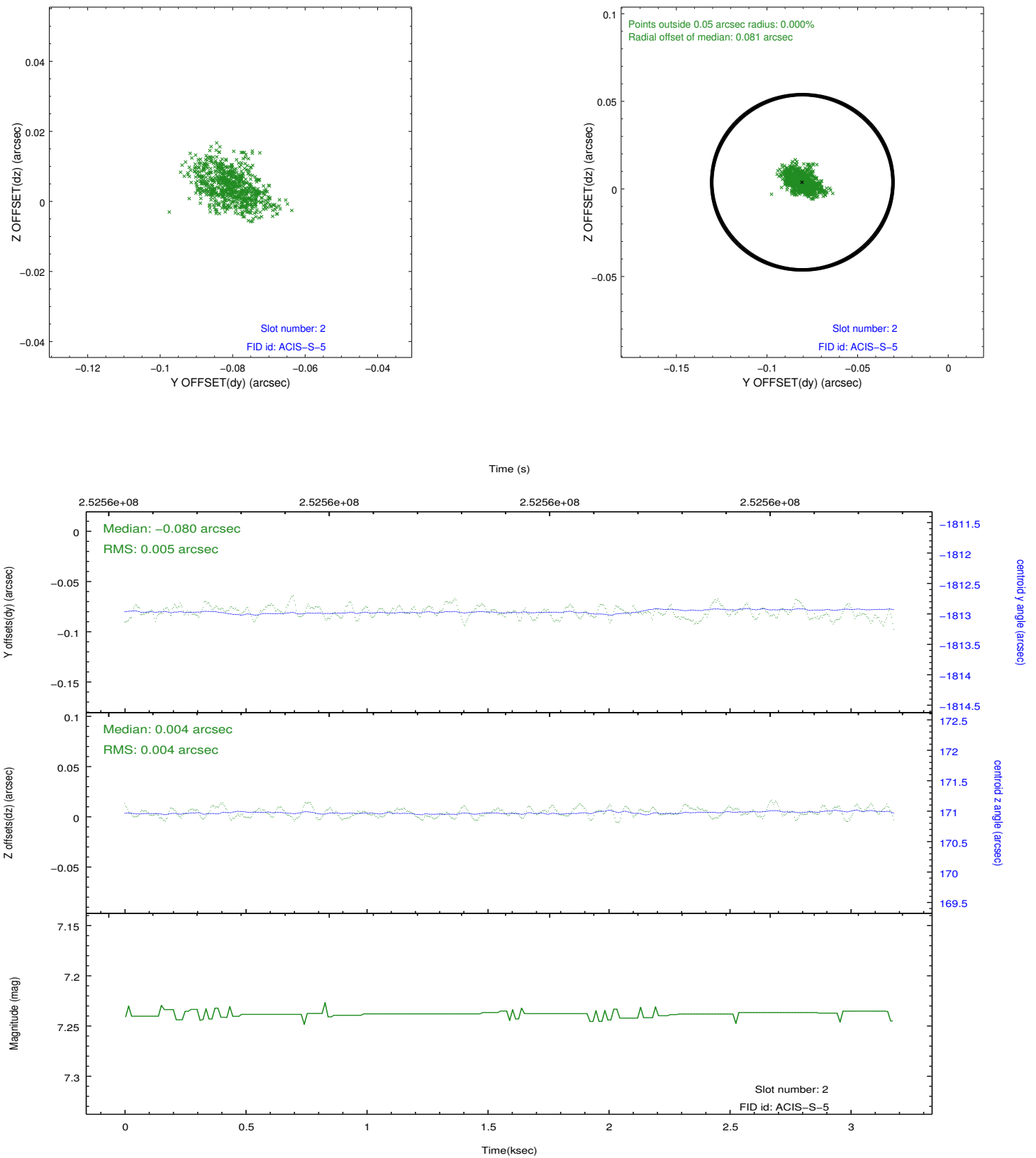
2.5.1 Slot 0



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)	2012.03.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.751999

A.2 Comments