

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3127 - L2 Version 3
Chandra X-Ray Center

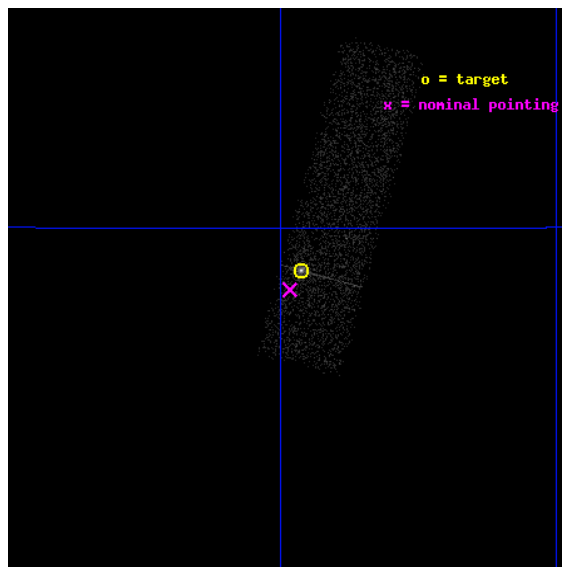
L2 Processing Date : Oct 17 2012

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1 Front

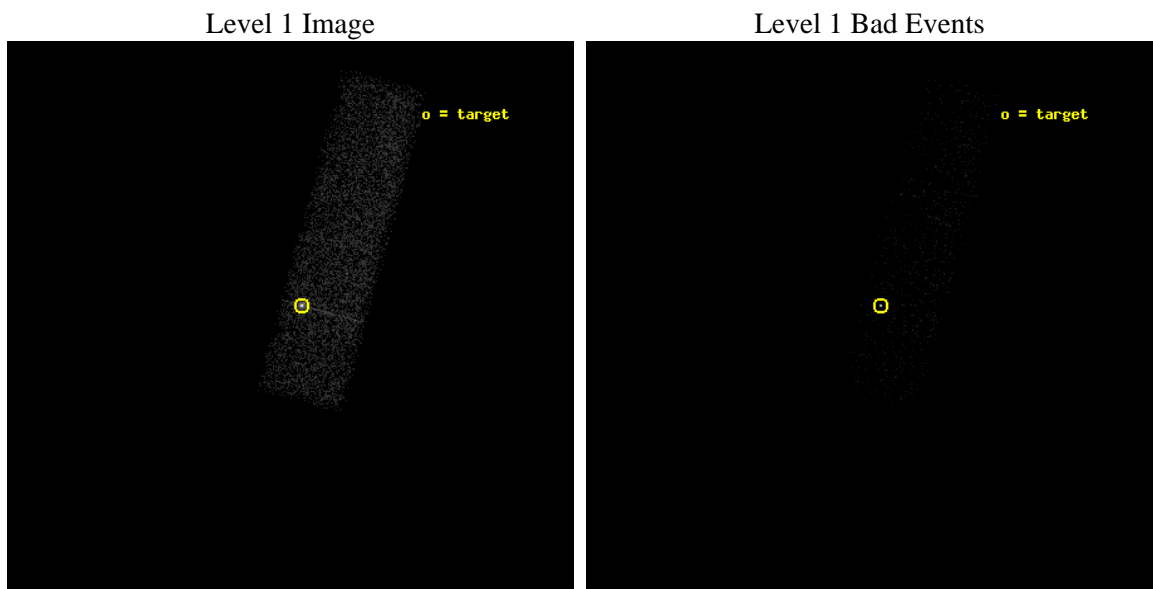
seq_num	700566	Sequence number
obs_id	3127	Observation id
title	A COMPLETE SURVEY FOR X-RAY EMISSION FROM RADIO JETS	Proposal titl
observer	Dr. Herman Marshall	Principal investigator
object	2251+158	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	343.490417	Observer's specified target RA [deg]
dec_targ	16.148222	Observer's specified target Dec [deg]
ra_nom	343.49583418274	Nominal RA [deg]
dec_nom	16.139831494071	Nominal Dec [deg]
roll_nom	285.15505330015	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5182.359057188	Sum of GTIs [s]
livetime	4929.4768925978	Livetime [s]
ontime7	5182.359057188	Sum of GTIs [s]
l2events	9688	Number of level 2 events



2 OBI

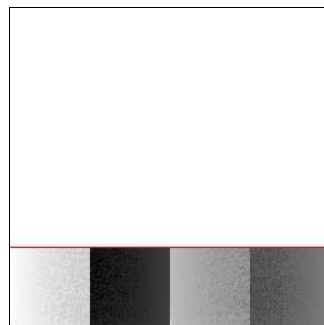
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5182.359057188	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	5182.359057188	Sum of GTIs [s]
date	2012-10-17T11:07:32	Date and time of file creation	l1events	19462	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

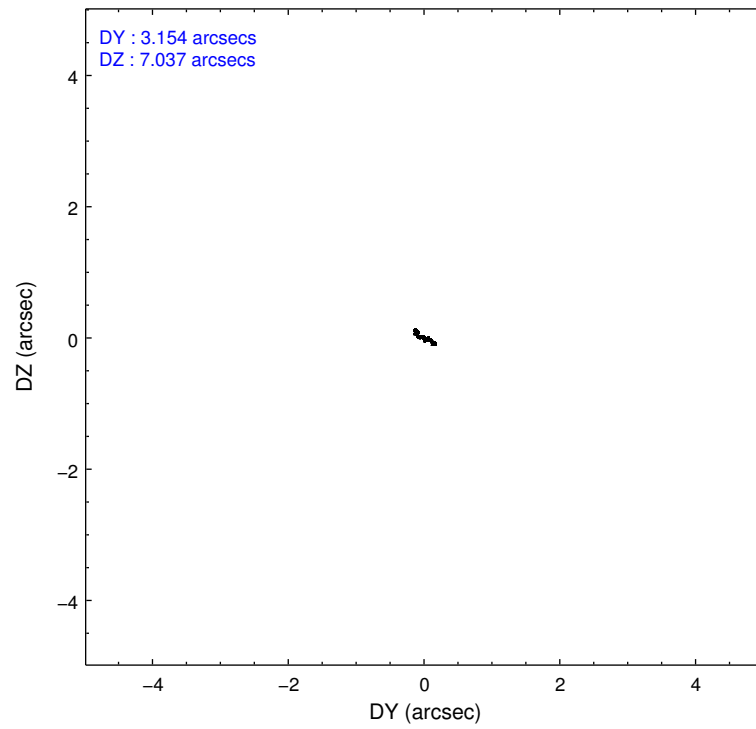
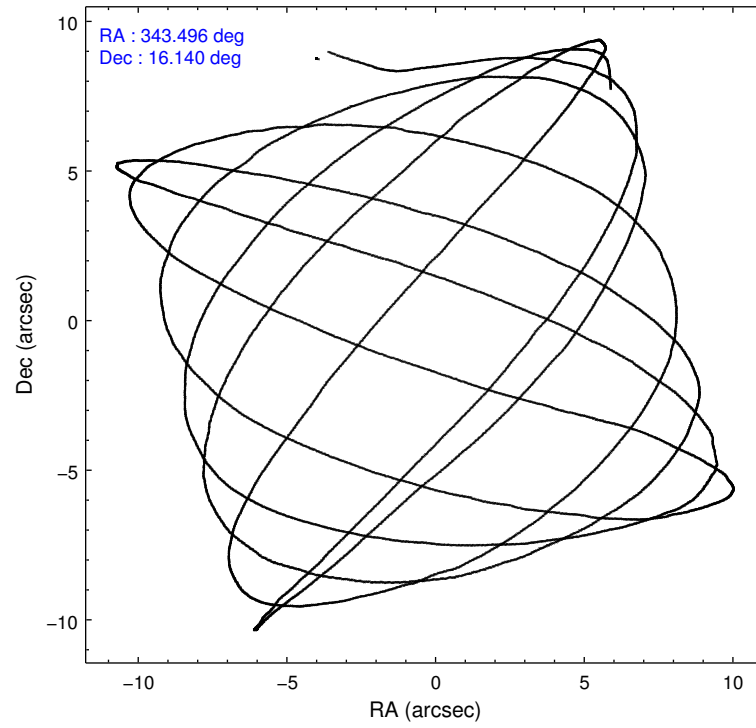
	ccd 7
level 1 events	19462
rejected events	9628
rejected %	49%

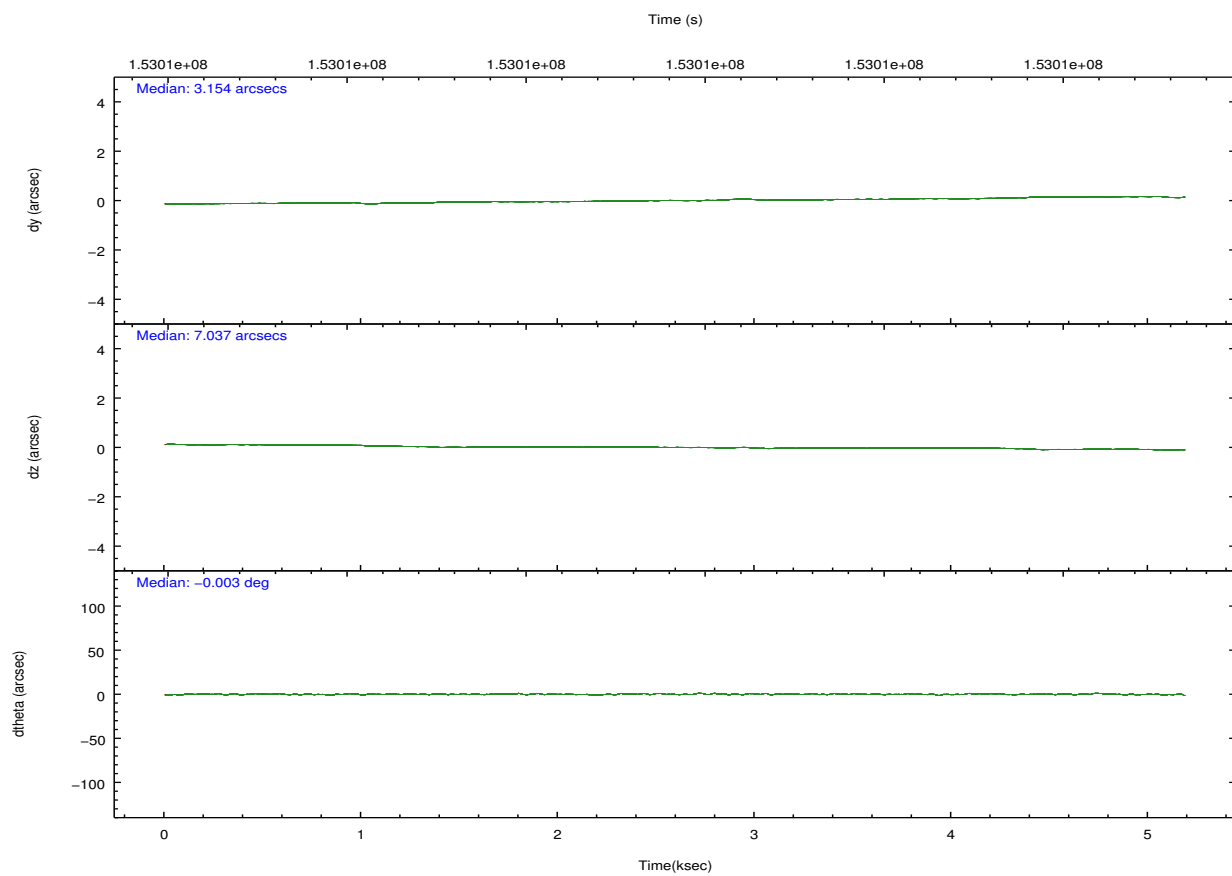
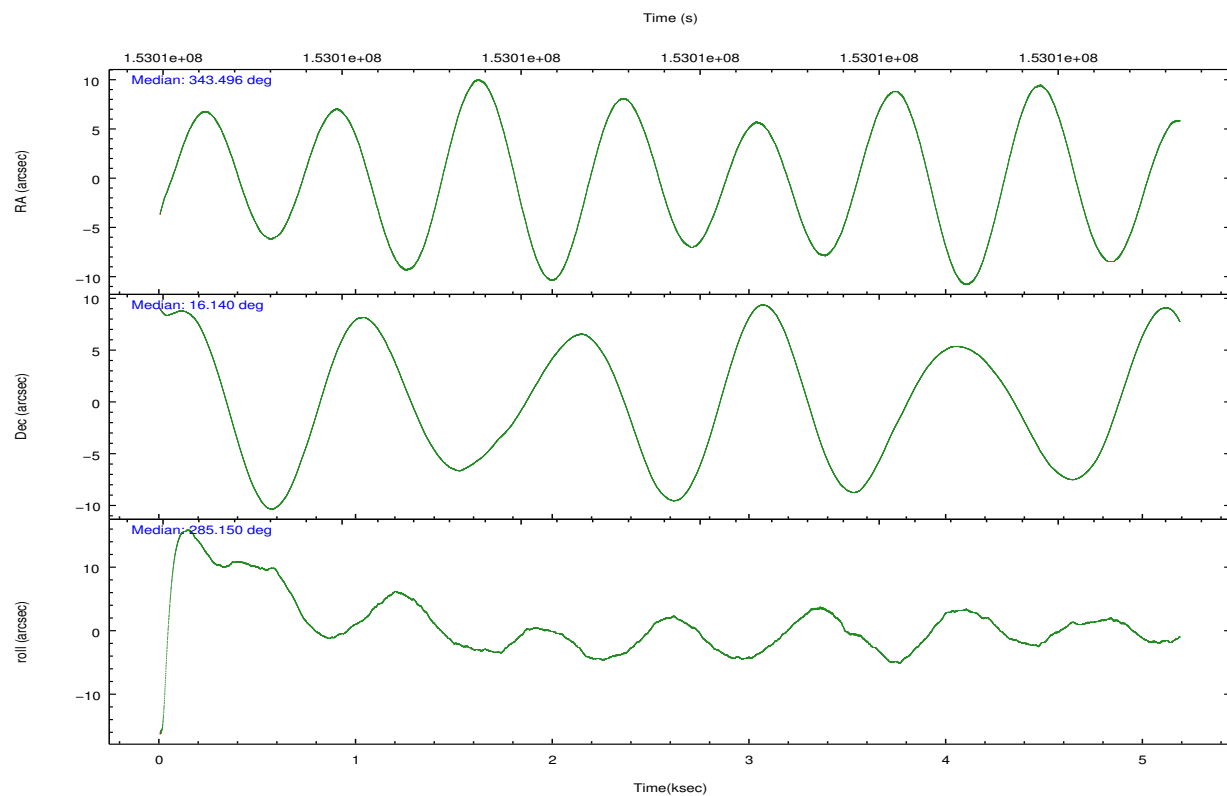
	ccd 7
grade 0 events	1383
	7%
grade 1 events	111
	0%
grade 2 events	2257
	11%
grade 3 events	1137
	5%
grade 4 events	1059
	5%
grade 5 events	1729
	8%
grade 6 events	5006
	25%
grade 7 events	6780
	34%

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	343.475397	343.4958341827391	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	16.158677	16.13983149407104	Subarray start row	1	1
[deg] Pointing Roll	285.004178	285.1550533001512	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	-178.632523	-178.6370735452349			
[mm] SIM translation stage offset	-11.5	-11.49544903777291			
[s] Observation start time (MET)	153006431.184000	153005182.18129			
Observation start date	2002-11-06T21:46:07	2002-11-06T21:26:22			
[s] Observation end time (MET)	153011431.184000	153012148.59408			
Observation end date	2002-11-06T23:09:27	2002-11-06T23:22:28			
Read mode	TIMED	TIMED			

2.3 Aspect



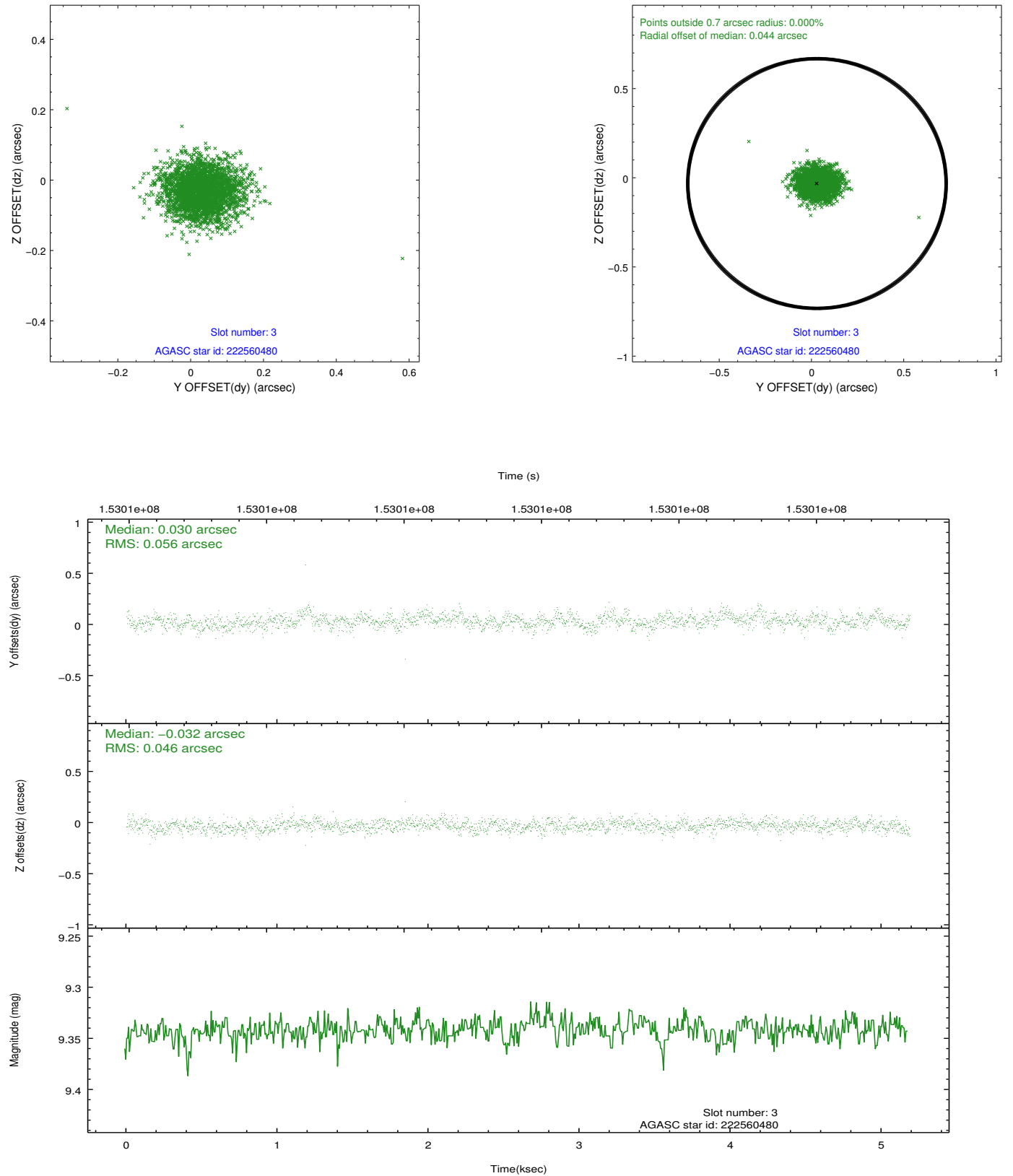


Slot Statistics

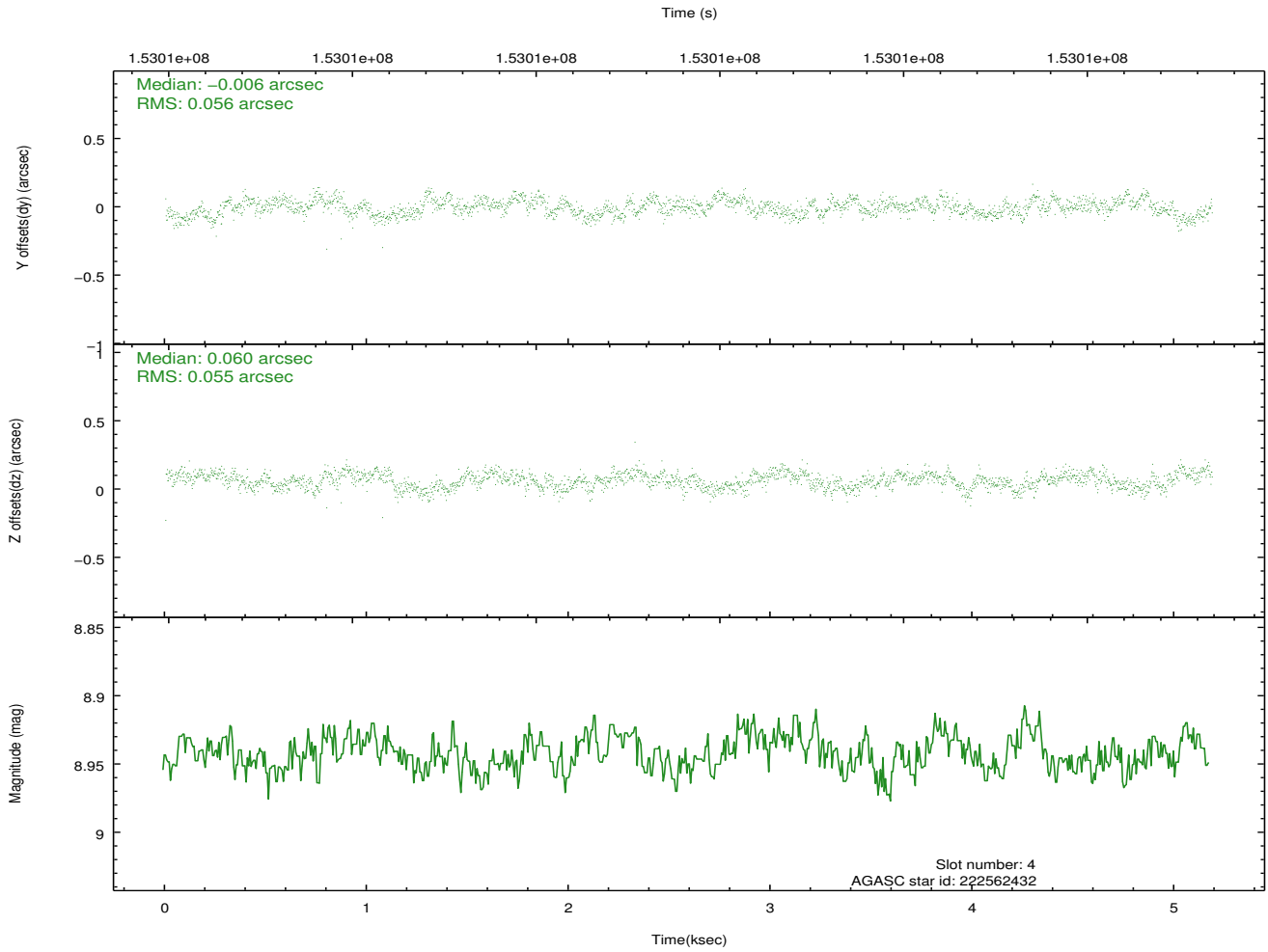
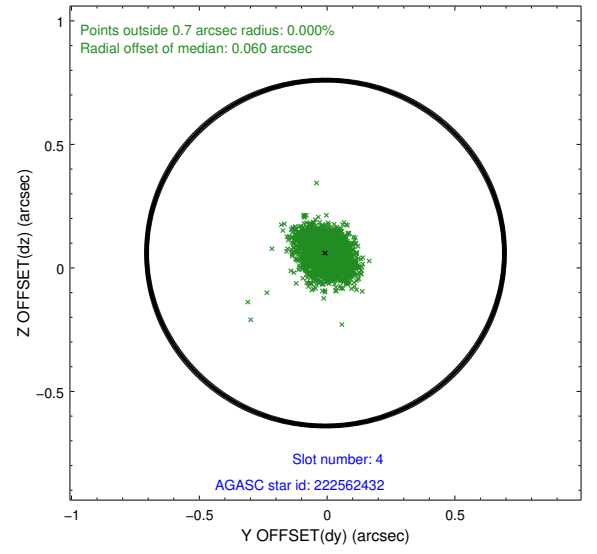
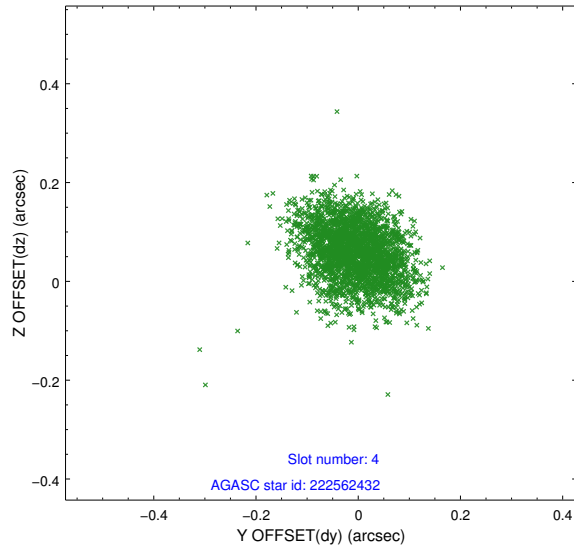
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1265	0.054	0.120	0.006	0.011	0.000000	0.000000	941.04	-1960.40
1	FID	ACIS-S-5	7.23	1265	0.002	0.104	0.006	0.011	0.000000	0.000000	-1807.25	-64.13
2	FID	ACIS-S-6	7.44	1265	-0.077	-0.214	0.007	0.011	0.000000	0.000000	405.34	580.72
3	GUIDE	222560480	9.34	2530	0.030	-0.032	0.075	0.124	343.777779	15.665461	1986.93	552.95
4	GUIDE	222562432	8.94	2530	-0.006	0.060	0.083	0.134	343.698150	16.309399	-323.22	884.23
5	GUIDE	222565592	8.26	2528	-0.127	0.057	0.058	0.093	343.291662	16.508291	-1379.07	-286.67
6	GUIDE	222571232	9.56	2528	-0.058	-0.083	0.088	0.146	343.021766	16.540282	-1733.25	-1156.53
7	GUIDE	222561240	8.72	2528	0.162	0.002	0.060	0.097	343.355884	15.743652	1336.64	-787.07

2.4 Star Slots

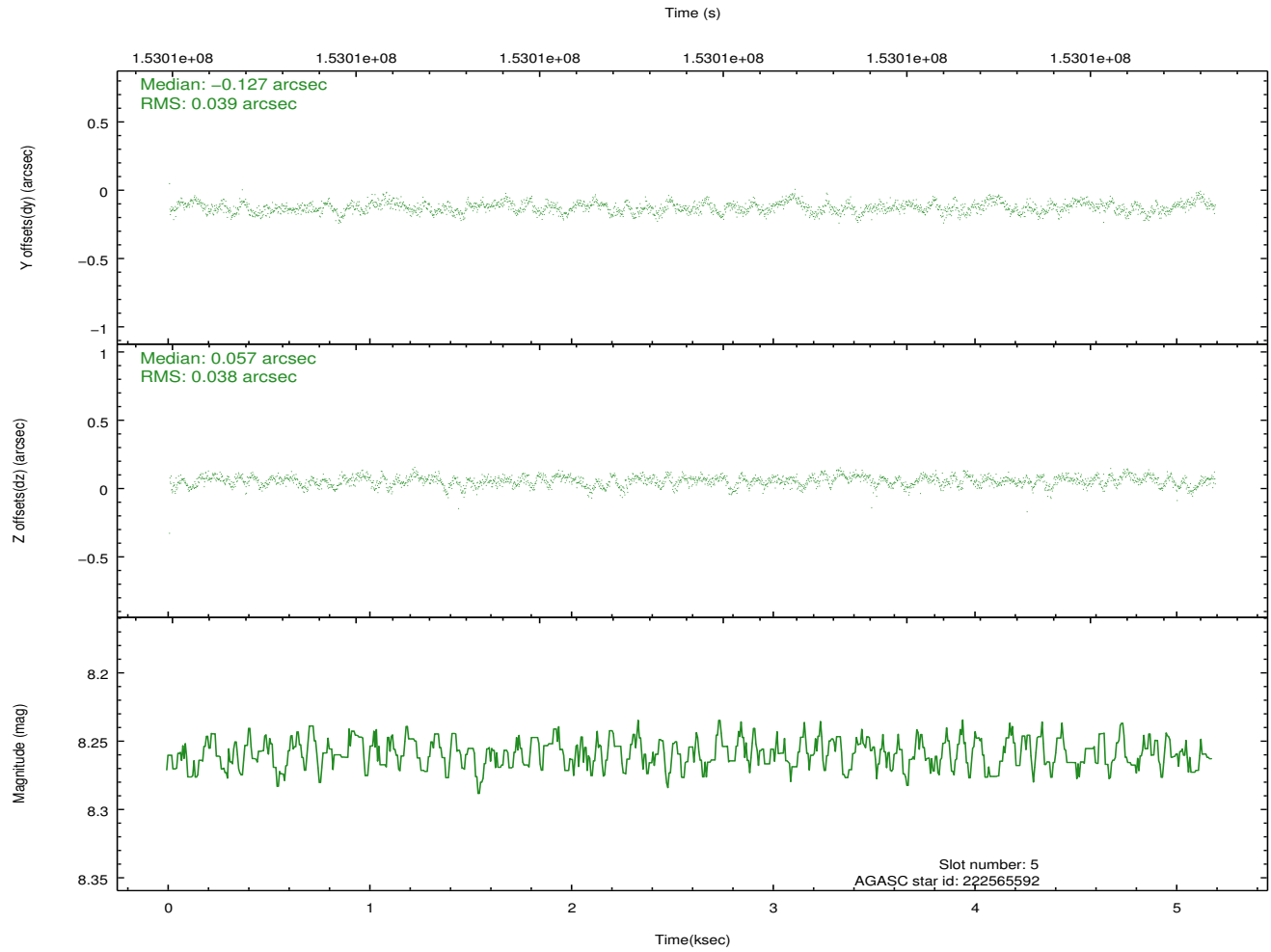
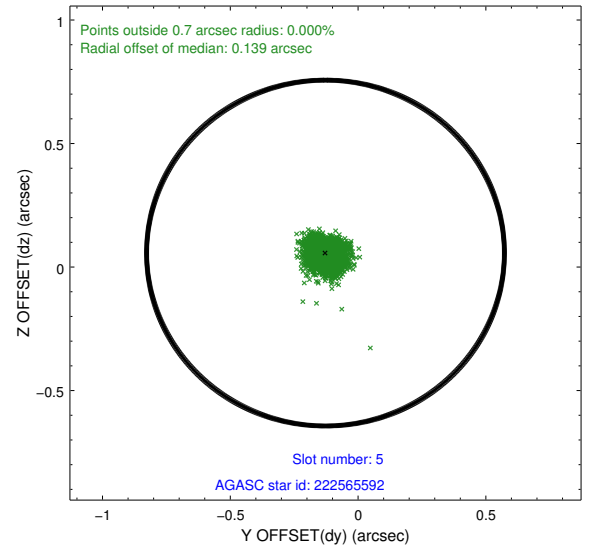
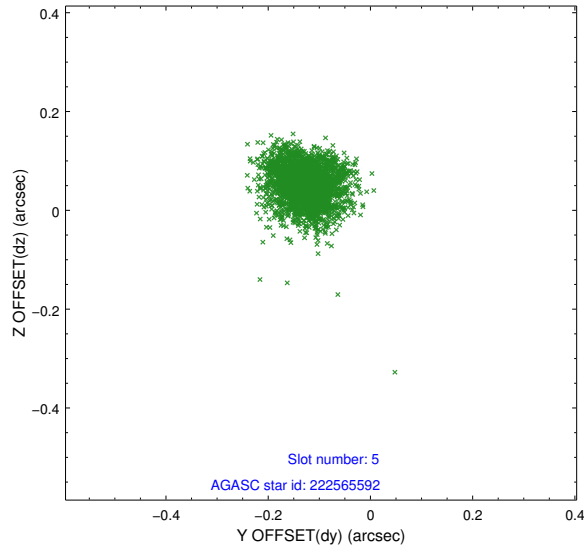
2.4.1 Slot 3



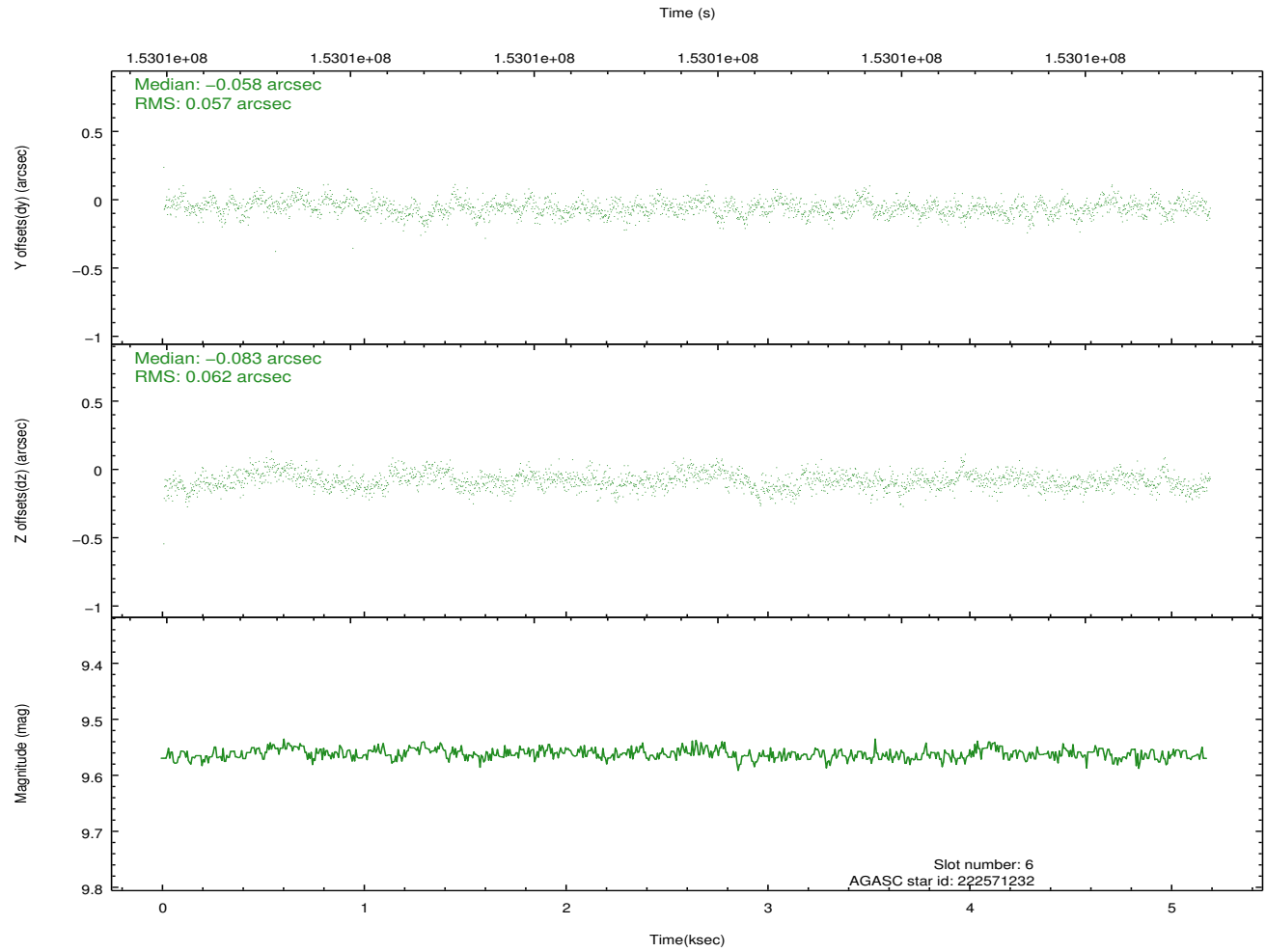
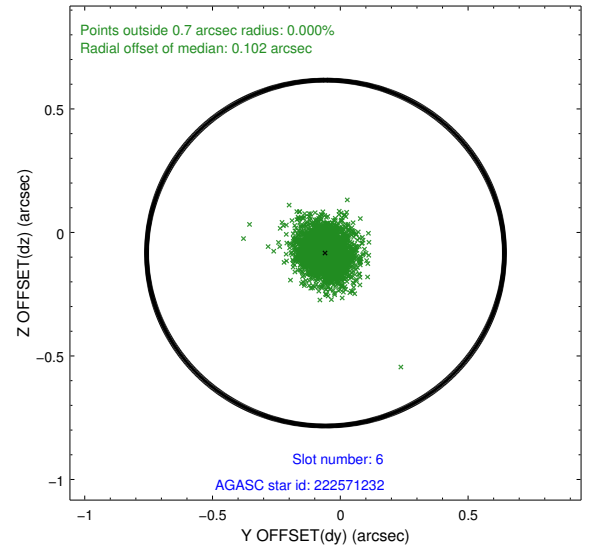
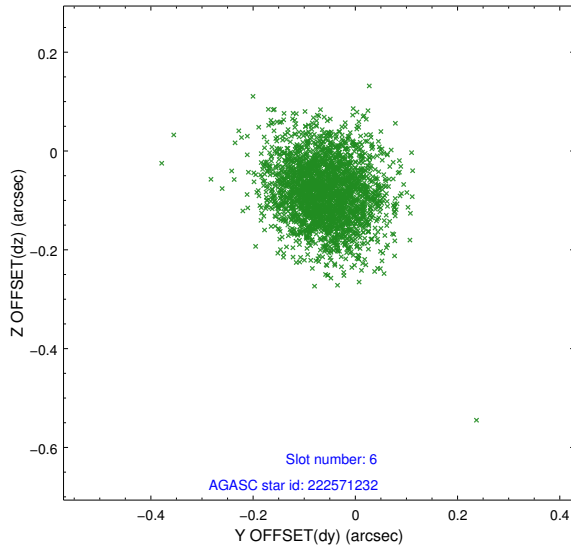
2.4.2 Slot 4



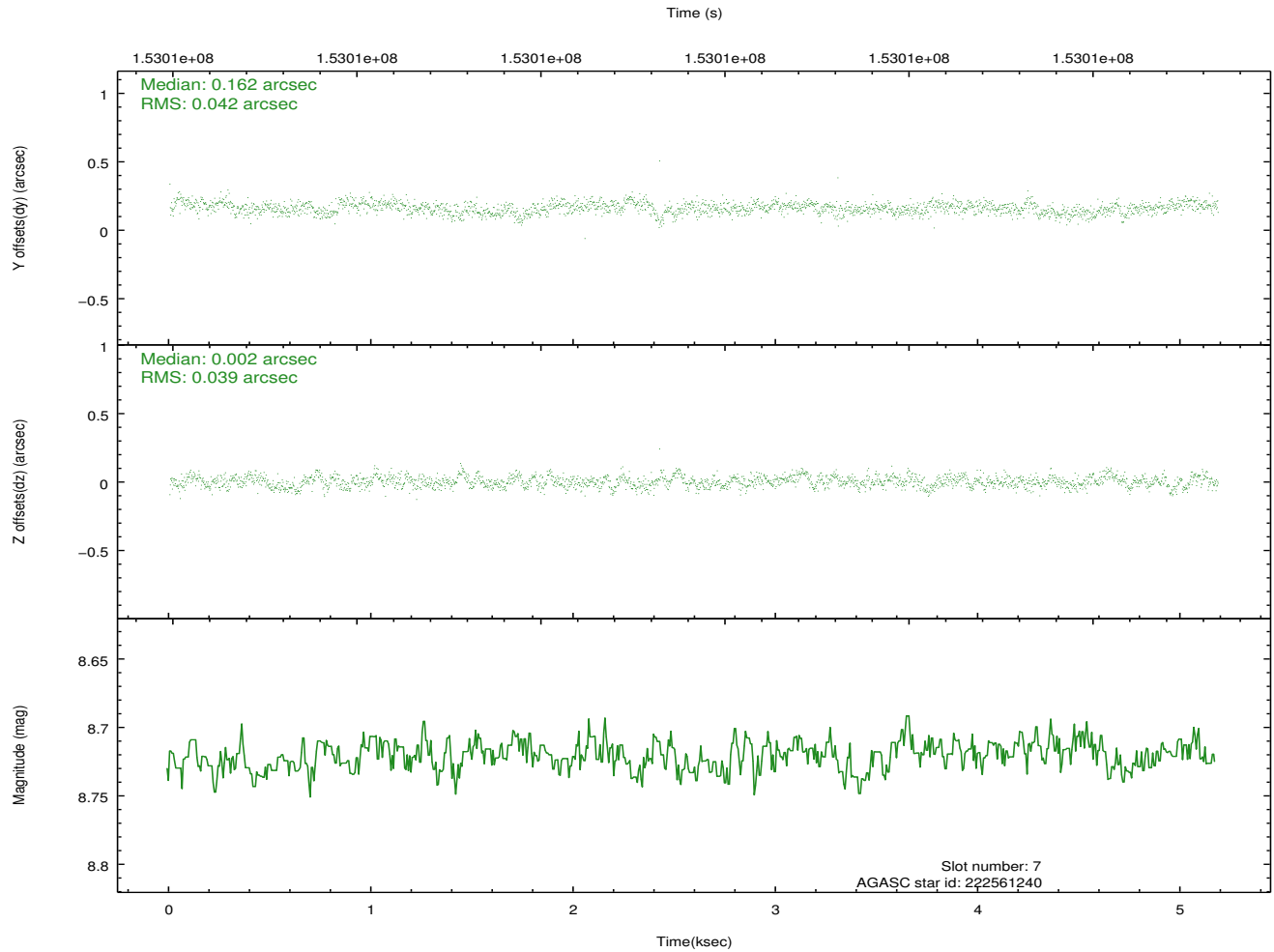
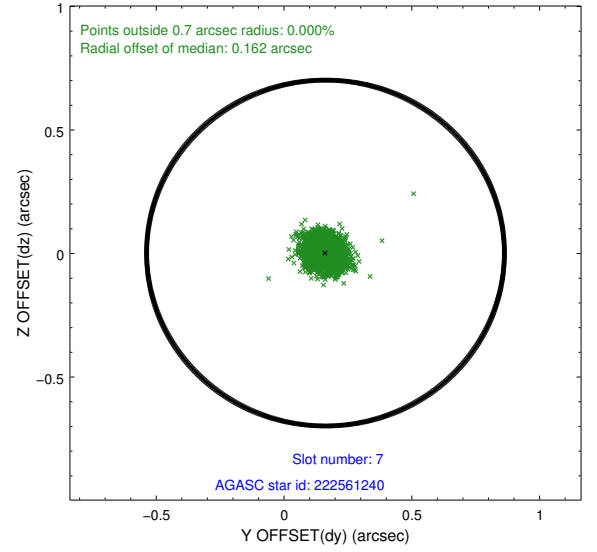
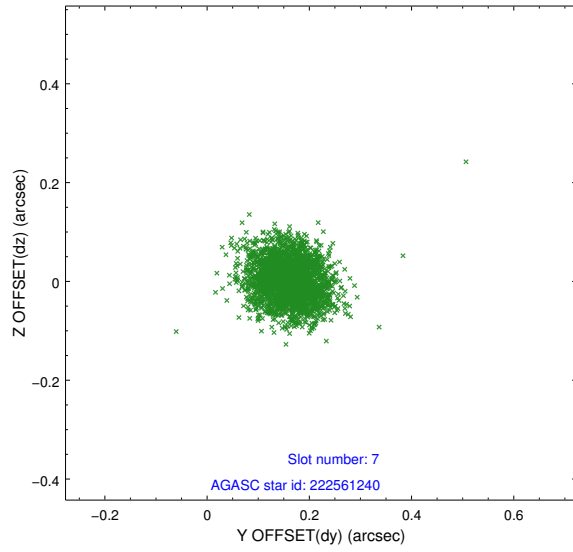
2.4.3 Slot 5



2.4.4 Slot 6

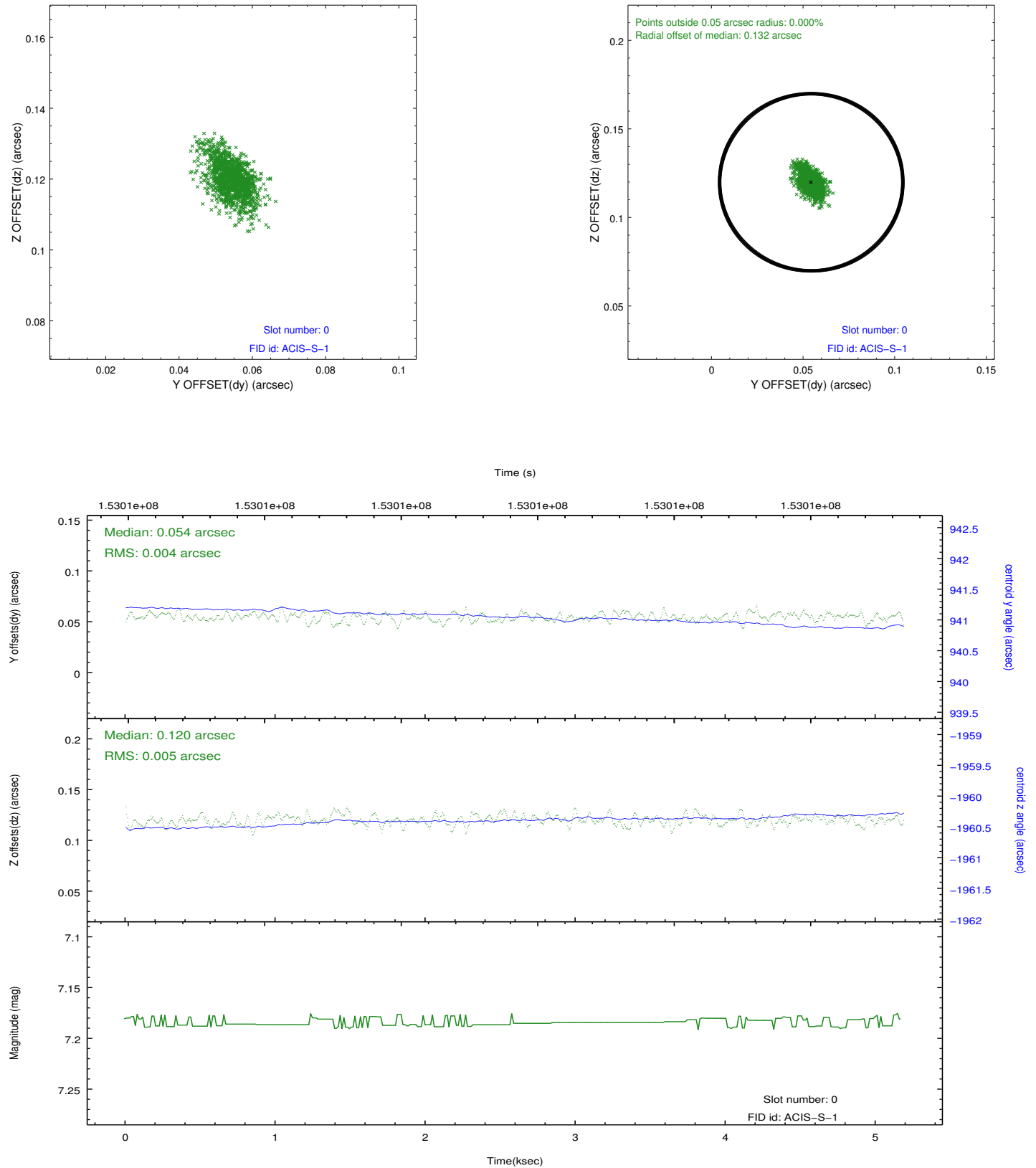


2.4.5 Slot 7

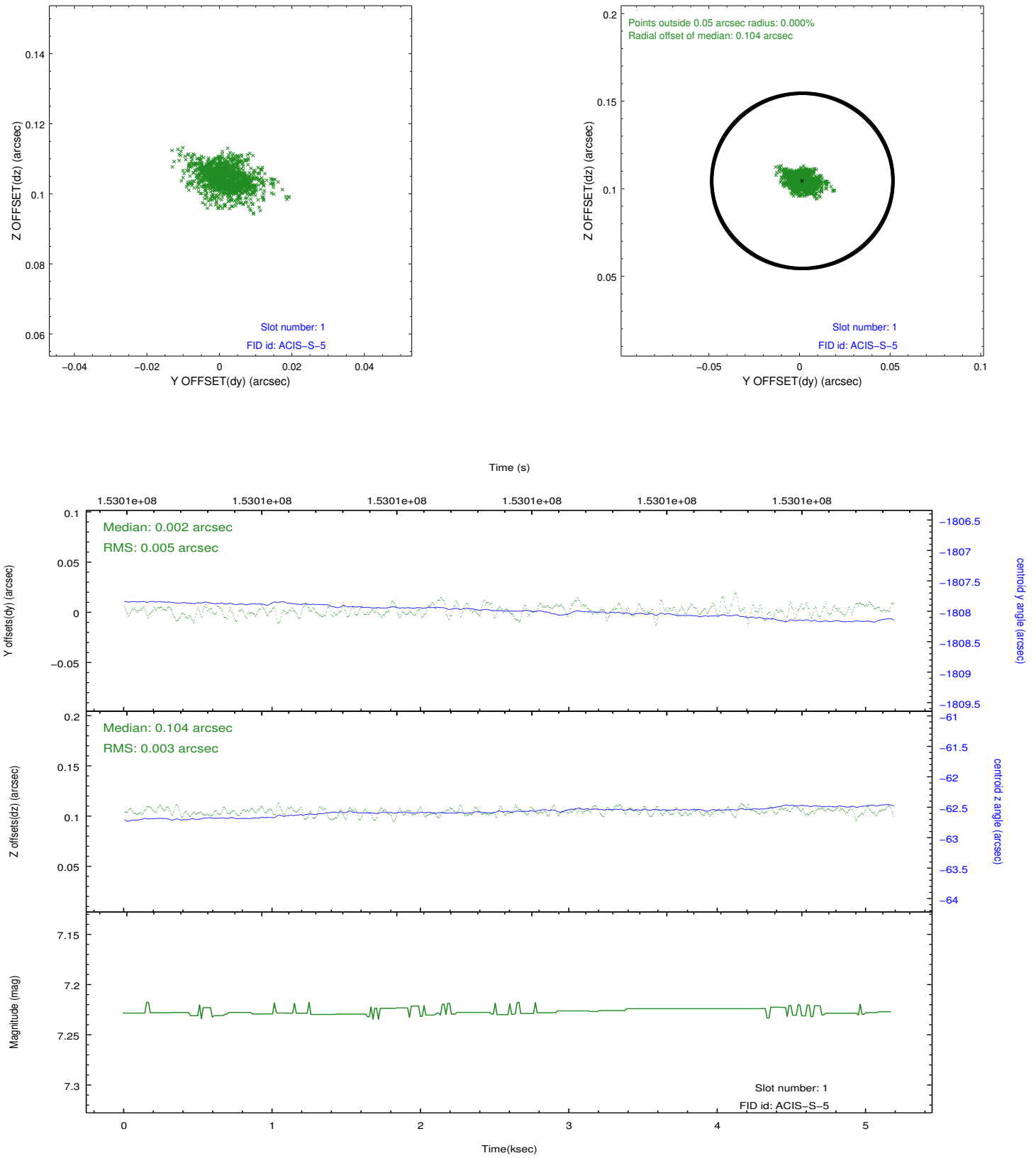


2.5 FID Slots

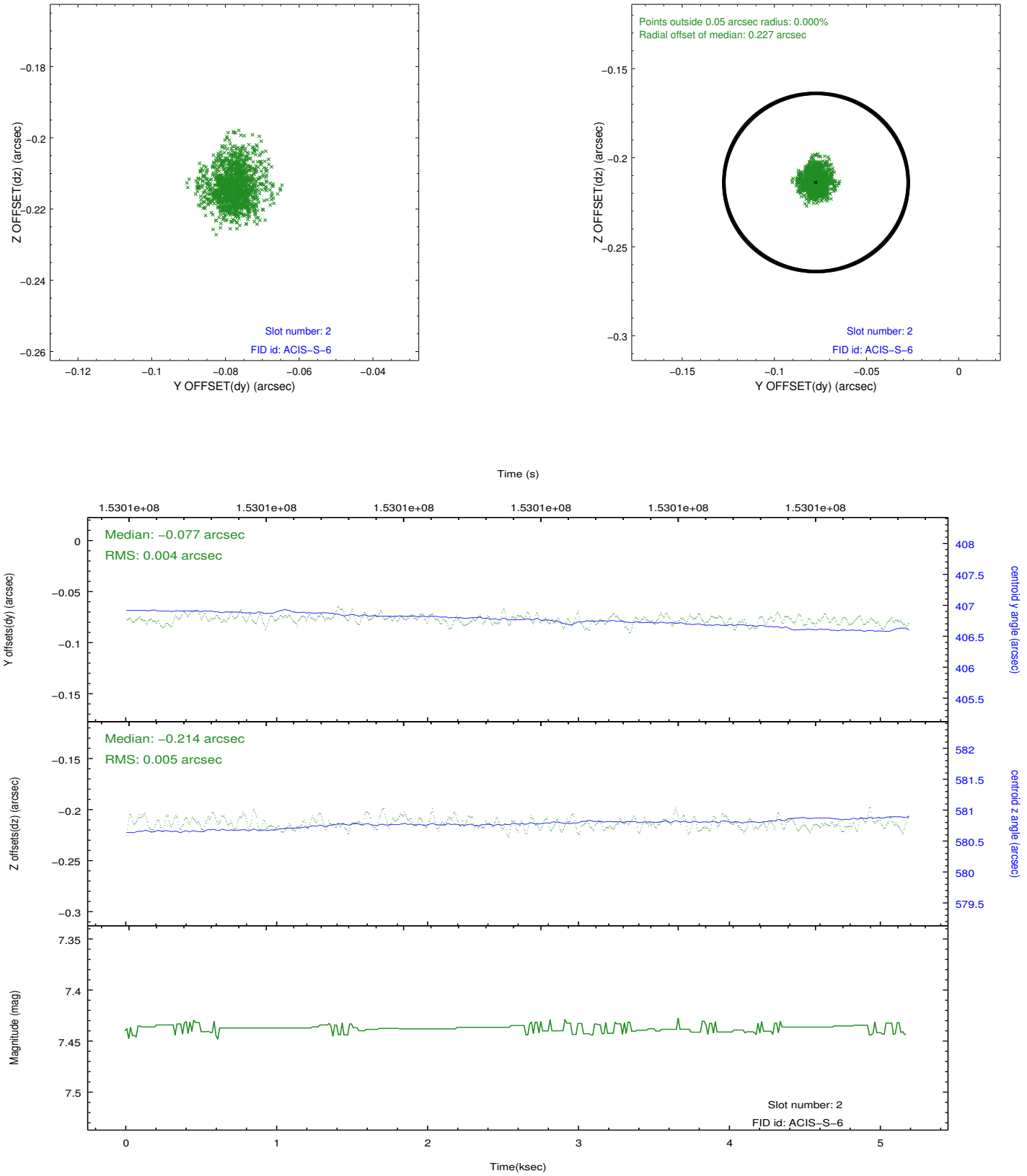
2.5.1 Slot 0



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)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.182

A.2 Comments

Roll constraint met. Jet does not fall on the readout streak.