

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 62440 - L2 Version 4
Chandra X-Ray Center

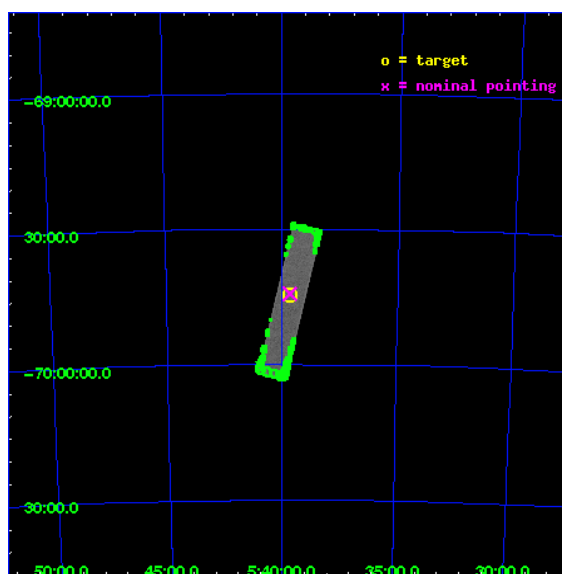
L2 Processing Date : Jan 12 2010

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1 Front

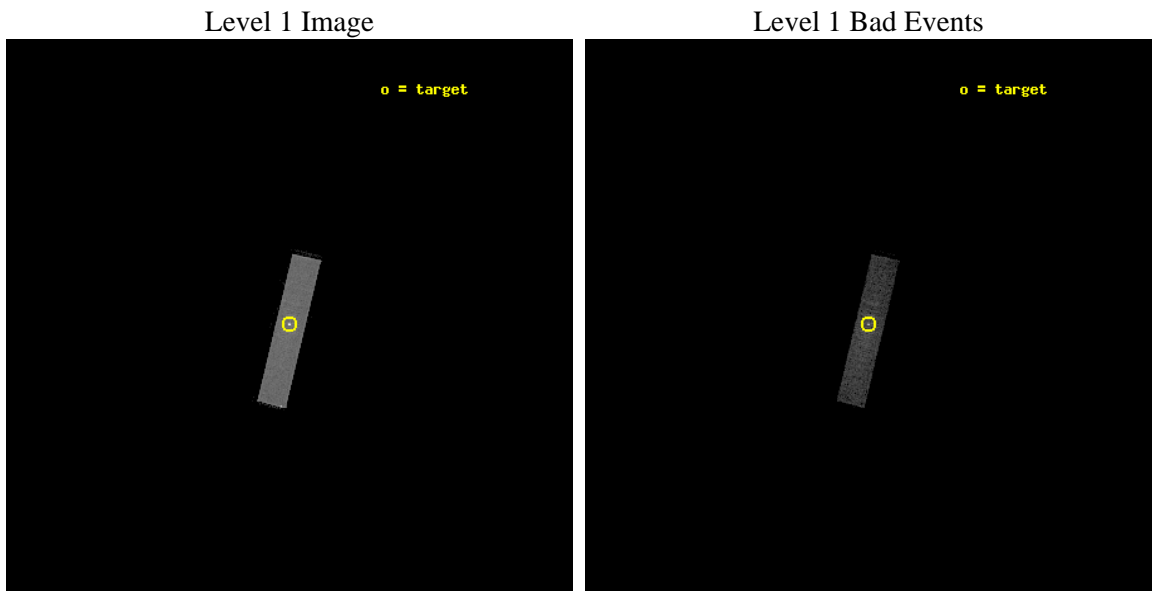
seq_num	490012	Sequence number
obs_id	62440	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
ra_targ	84.914583	Observer's specified target RA
dec_targ	-69.743611	Observer's specified target Dec
ra_nom	84.912737698732	Nominal RA
dec_nom	-69.738232461175	Nominal Dec
roll_nom	103.53013960763	Nominal Roll
revision	4	Processing version of data
ontime	1377.6000494659	[s]
livetime	1367.0110281404	Ontime multiplied by DTCOR
l2events	63034	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	36000.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	1377.6000494659	[s]
caldbver	4.1.5	 	ll events	92908	Number of level 1 events
date	2010-01-13T02:53:21	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

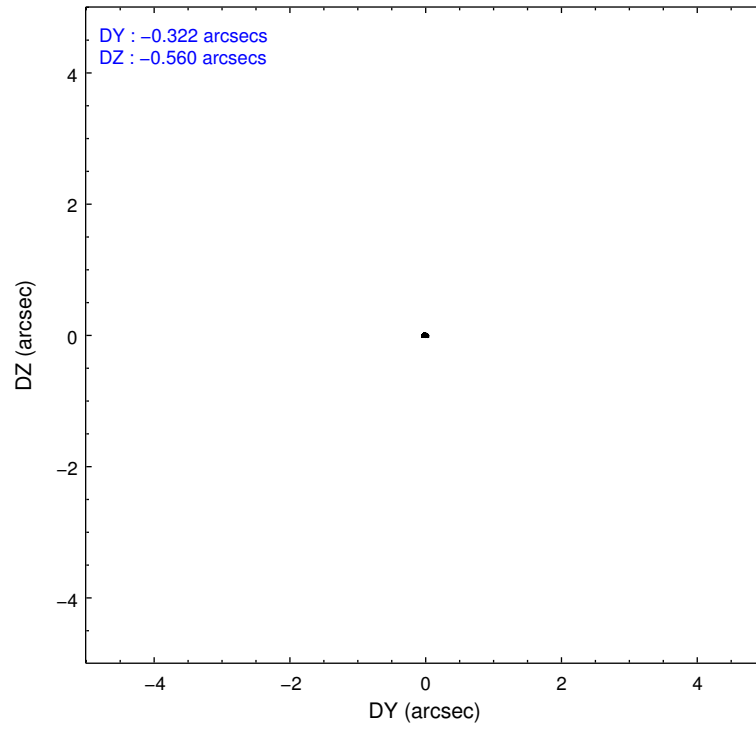
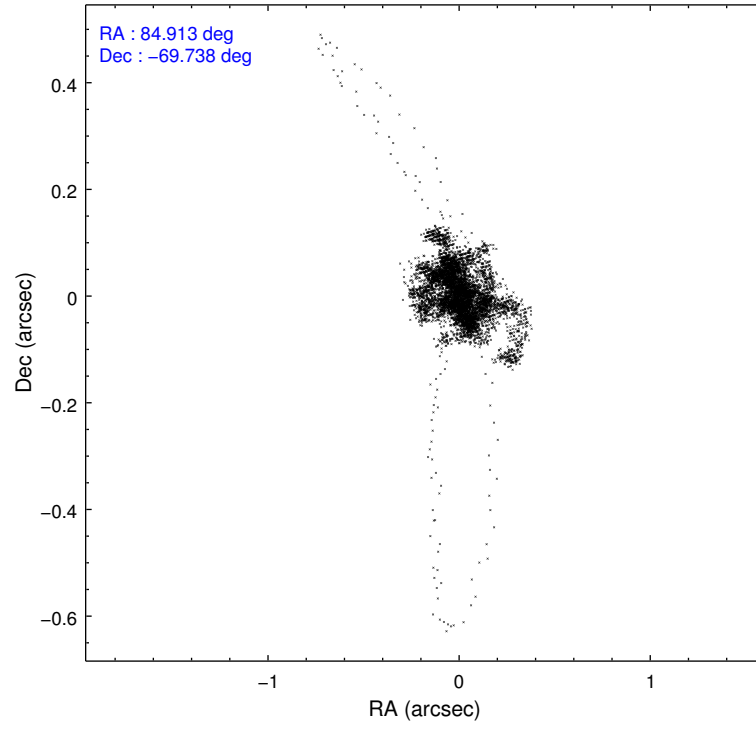
	segment 1	segment 2	segment 3
level 1 events	0	92908	0
rejected events	0	24702	0
rejected %	0%	26%	0%

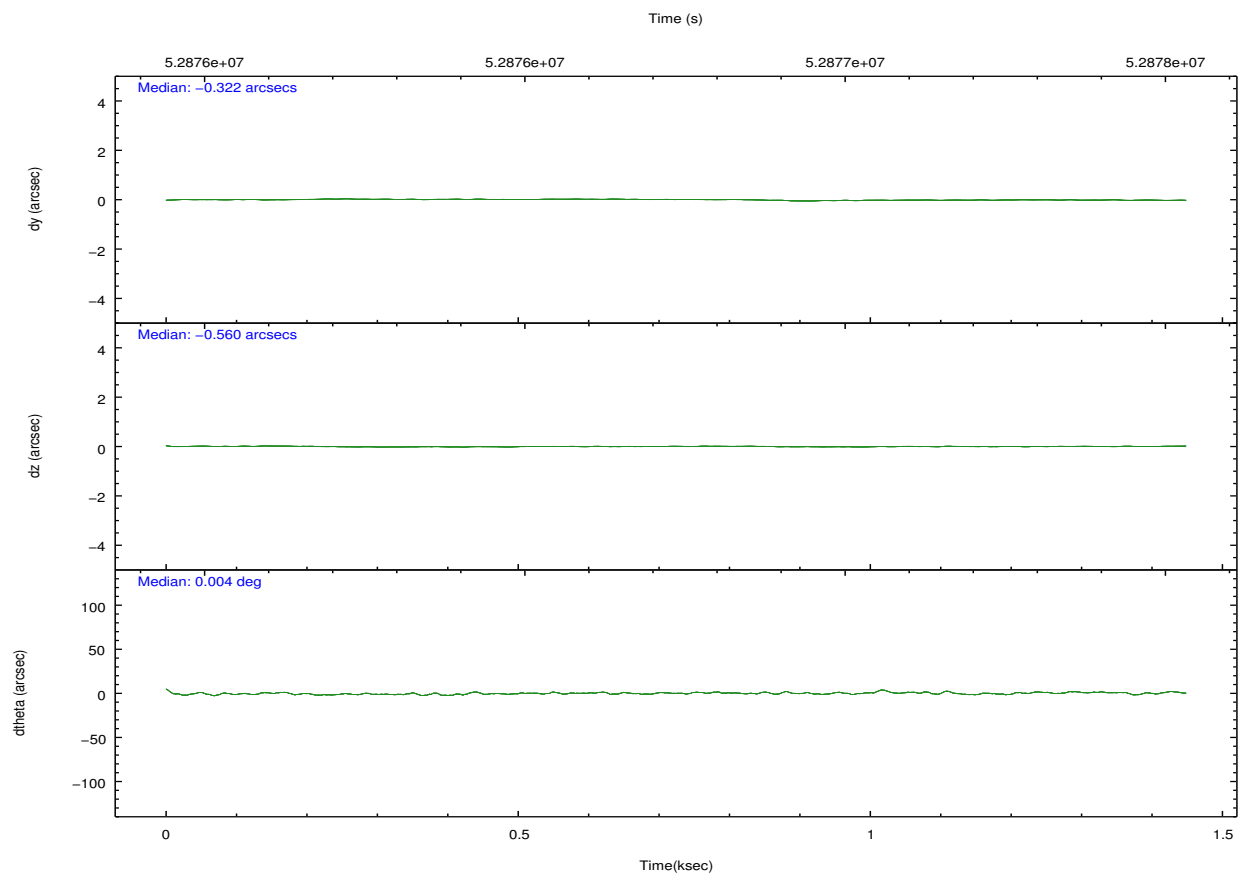
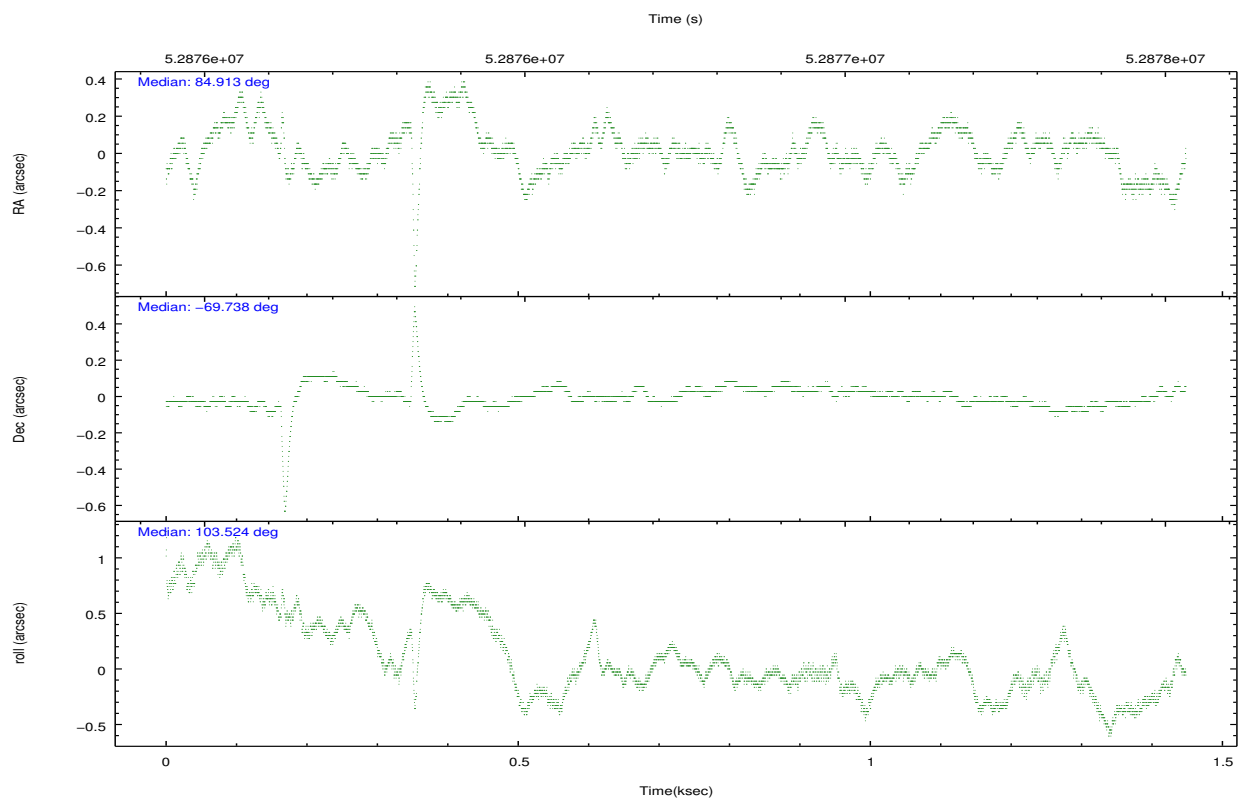
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	84.971636	84.91273769873186
Pointing Dec	-69.758744	-69.7382324611753
Pointing Roll	103.518059	103.5301396076347
Window start time	52856164.184000	52856164.184000
Window stop time	52892164.184000	52892164.184000
SIM focus pos (mm)	-1.429586	-0.7765883295792845
SIM defocus (mm)	0.1037507710433287	0.7567483098250124
SIM translation stage pos (mm)	250.455976	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	52856164.184000	52876010.937209
Observation start date	1999-09-04T18:15:00	1999-09-04T23:46:50
Observation end time	52892164.184000	52877462.337261
Observation end date	1999-09-05T04:15:00	1999-09-05T00:11:02

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



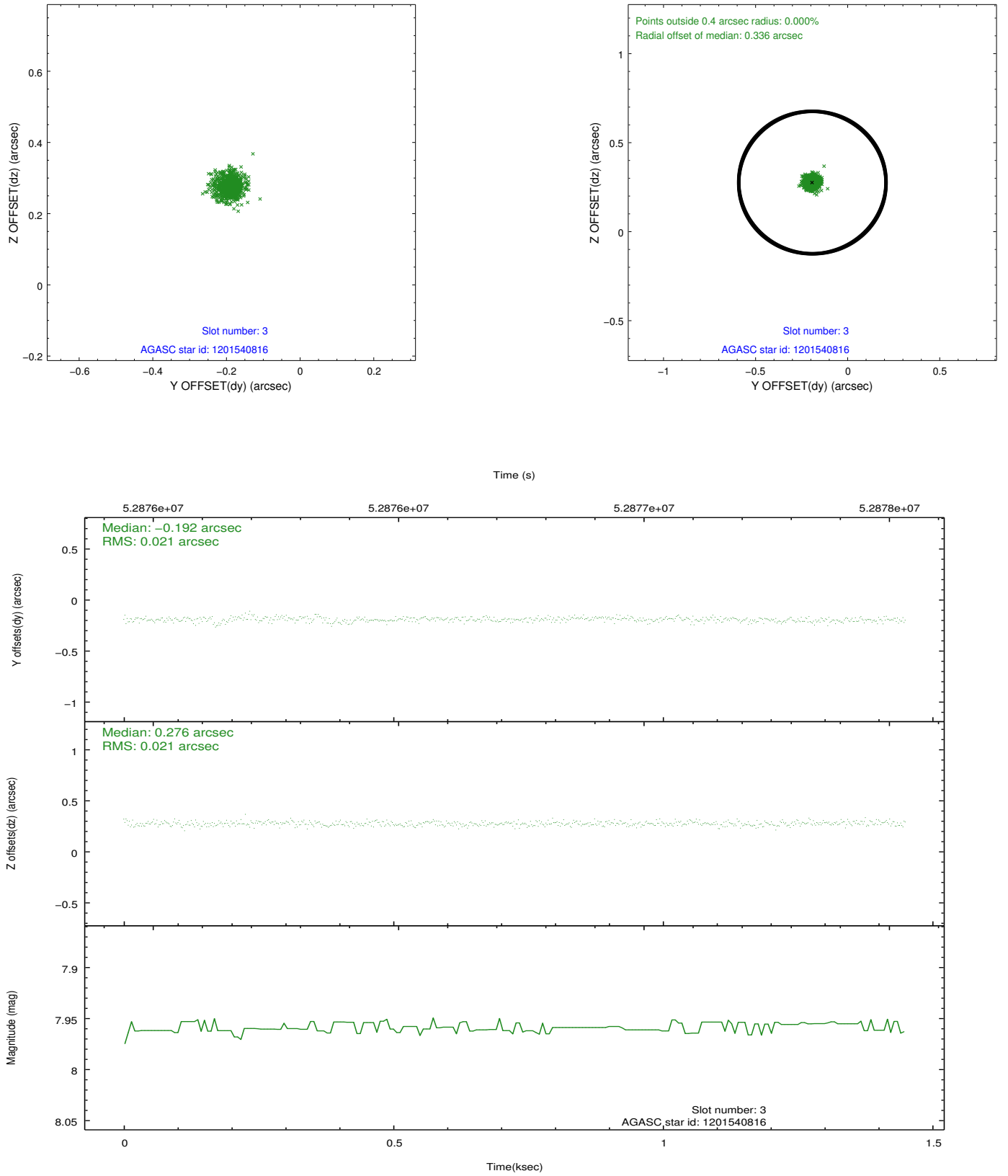


Slot Statistics

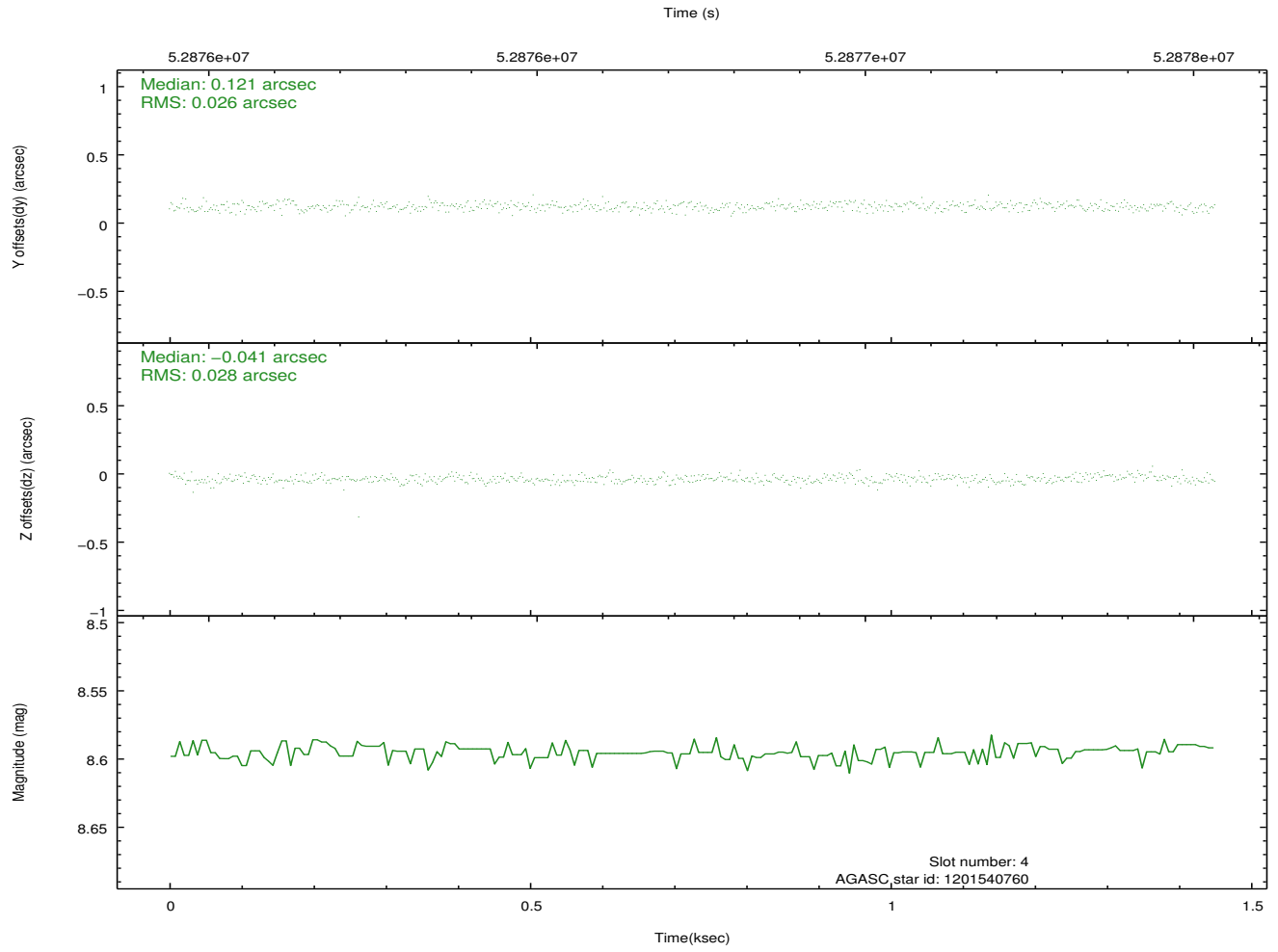
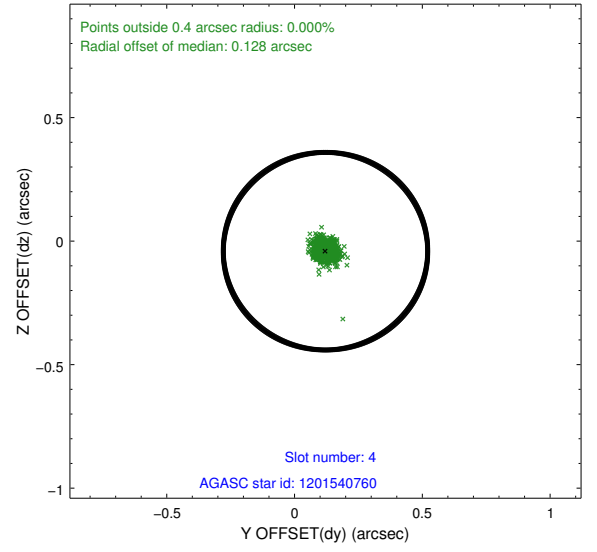
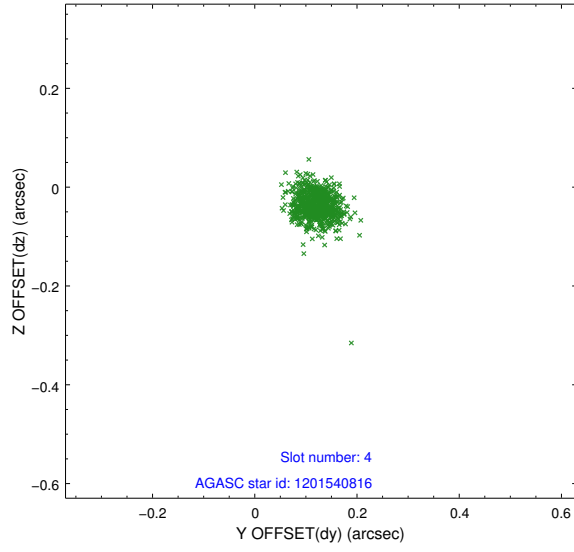
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	BAD	HRC-S-1	7.00	82	0.151	0.030	0.008	0.014	0.000000	0.000000	-1153.78	-447.50
1	FID	HRC-S-3	7.01	707	0.104	-0.096	0.005	0.009	0.000000	0.000000	-1158.05	581.35
2	FID	HRC-S-4	6.99	707	0.160	-0.097	0.005	0.009	0.000000	0.000000	1243.14	585.06
3	GUIDE	1201540816	7.96	708	-0.192	0.276	0.031	0.052	86.998494	-69.749817	-599.57	-2451.86
4	GUIDE	1201540760	8.60	708	0.121	-0.041	0.039	0.063	84.403691	-70.419249	-2155.67	1219.87
5	GUIDE	1201411368	10.05	708	-0.154	-0.167	0.091	0.153	83.629696	-70.495613	-2222.93	2194.58
6	GUIDE	1200883536	9.87	708	0.088	0.064	0.082	0.137	83.119228	-69.218429	2406.30	1858.23
7	GUIDE	1201020088	10.48	706	0.132	-0.134	0.113	0.195	86.319248	-68.997756	2242.63	-2322.96

2.4 Star Slots

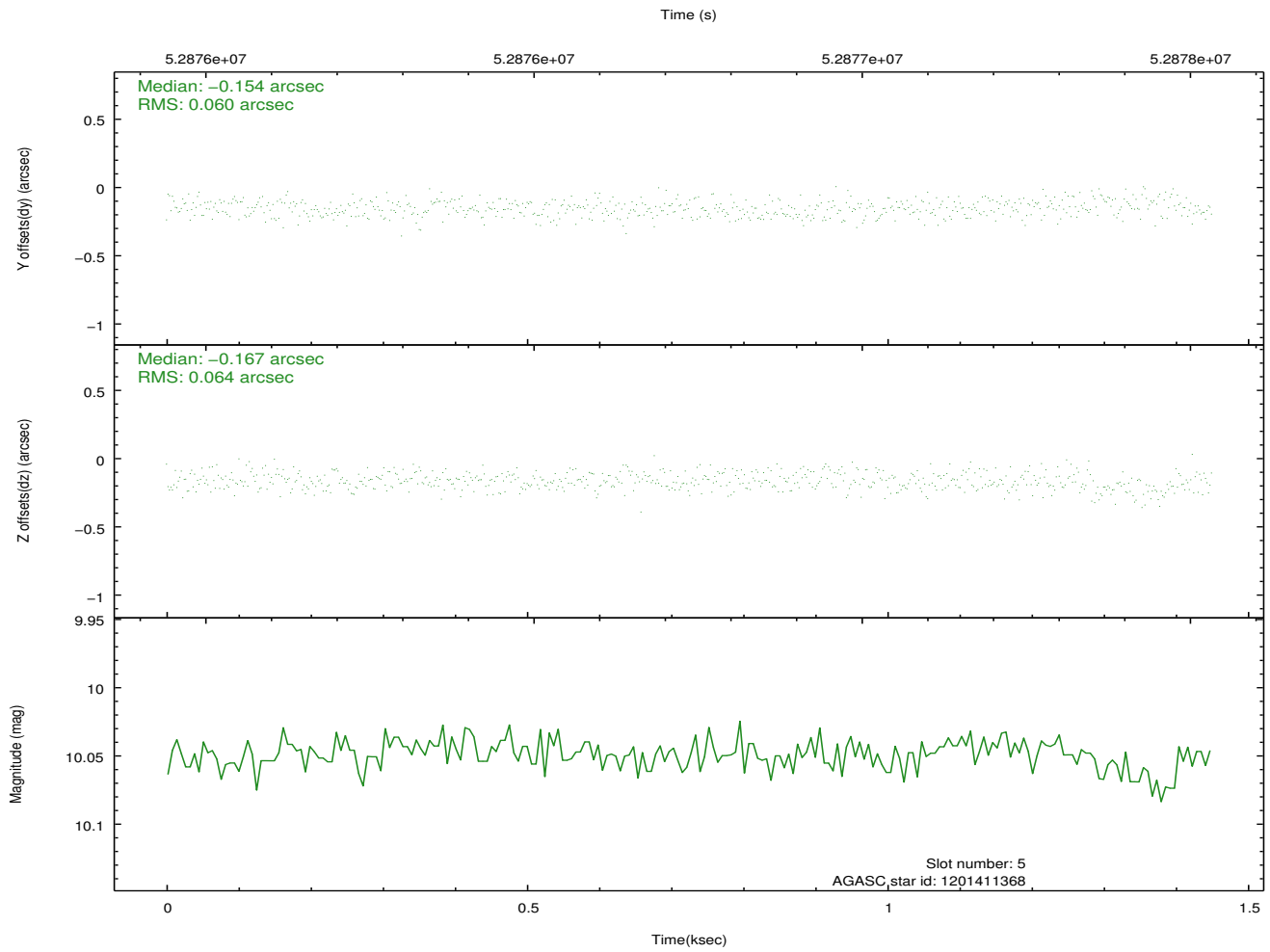
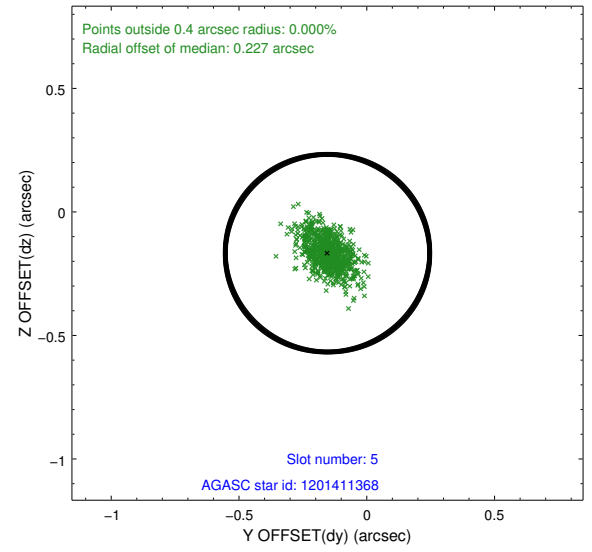
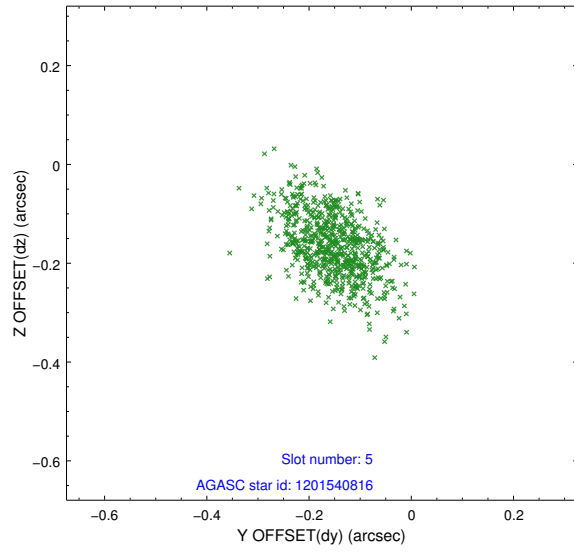
2.4.1 Slot 3



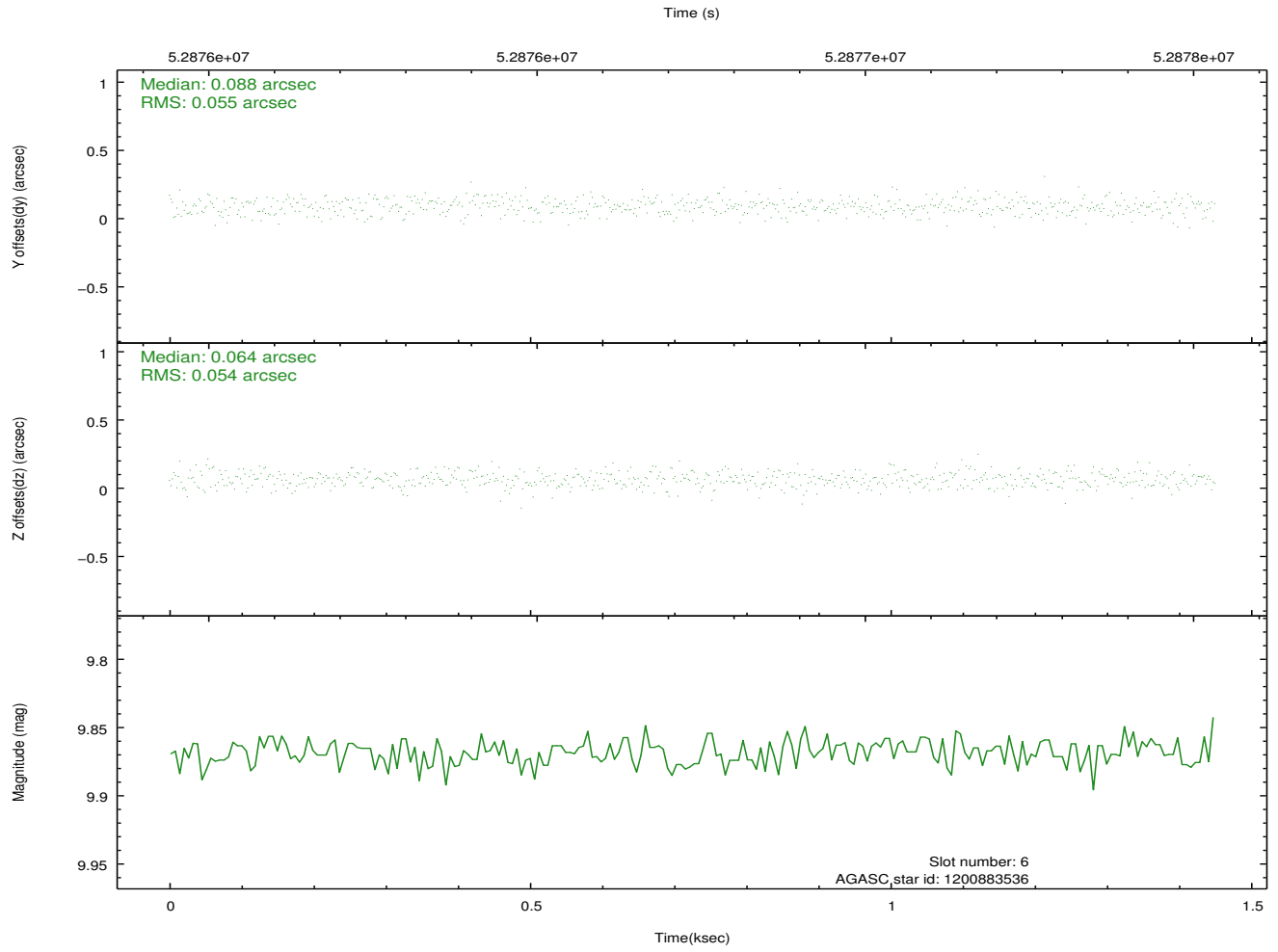
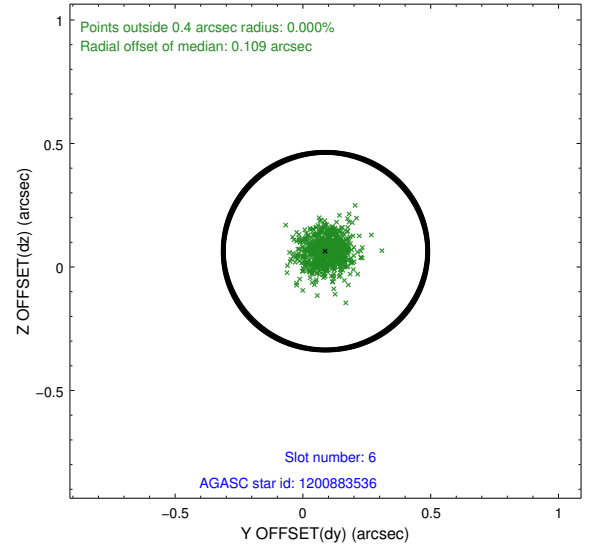
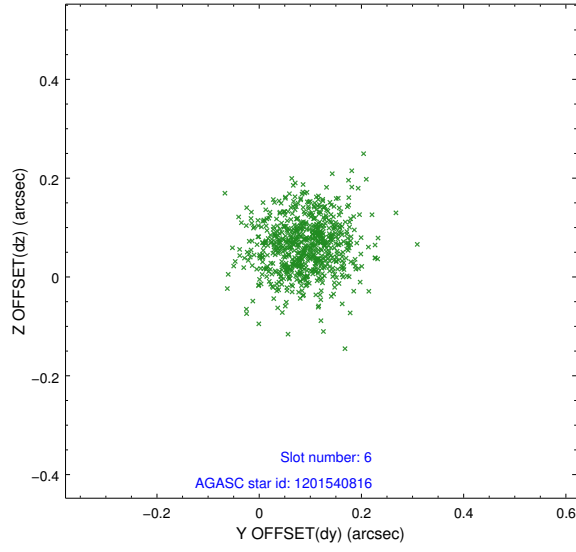
2.4.2 Slot 4



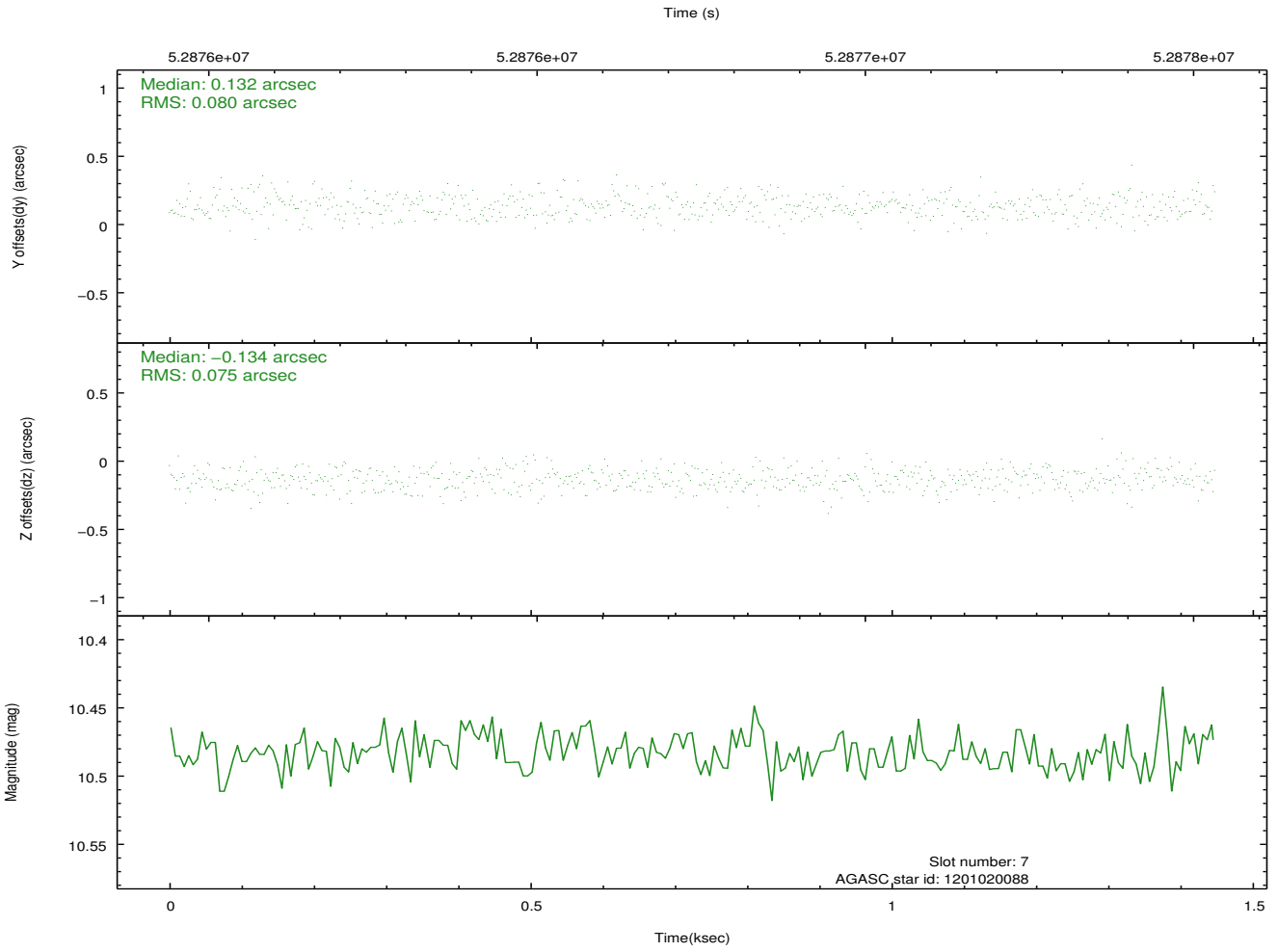
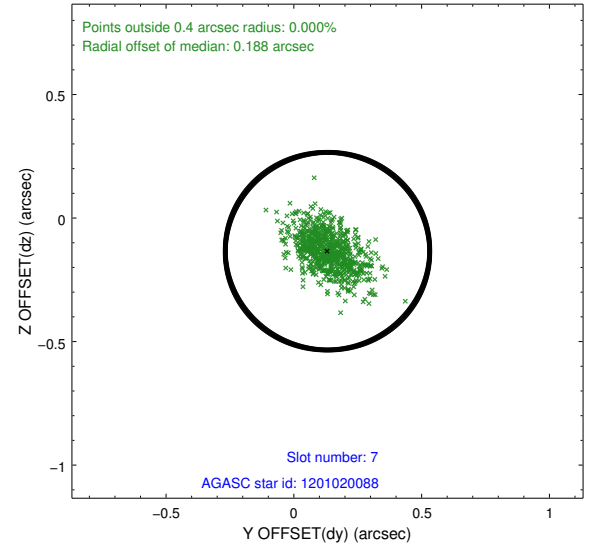
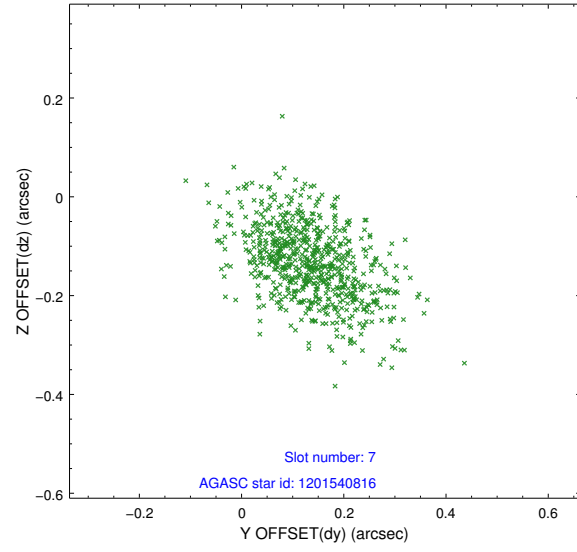
2.4.3 Slot 5



2.4.4 Slot 6

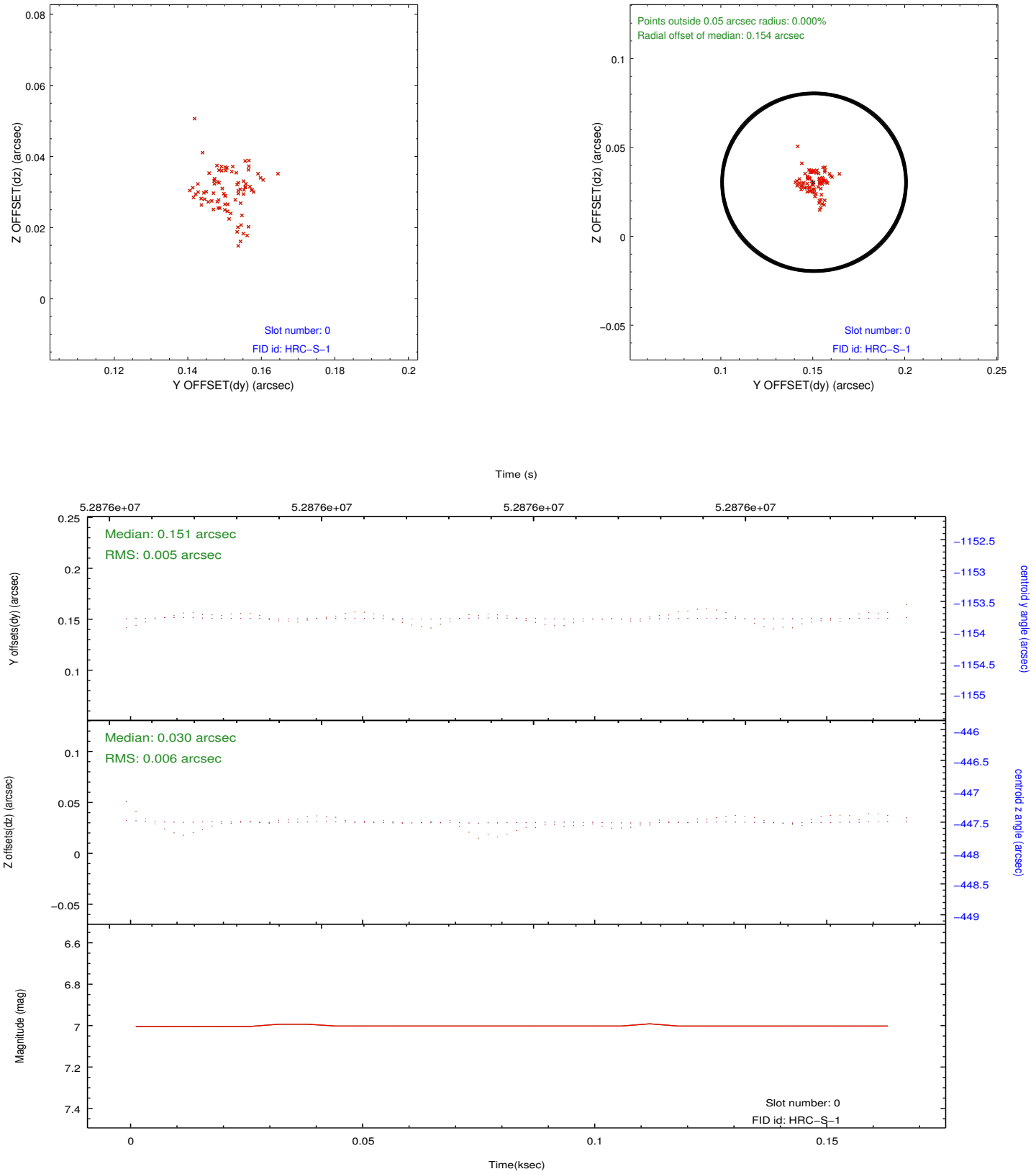


2.4.5 Slot 7

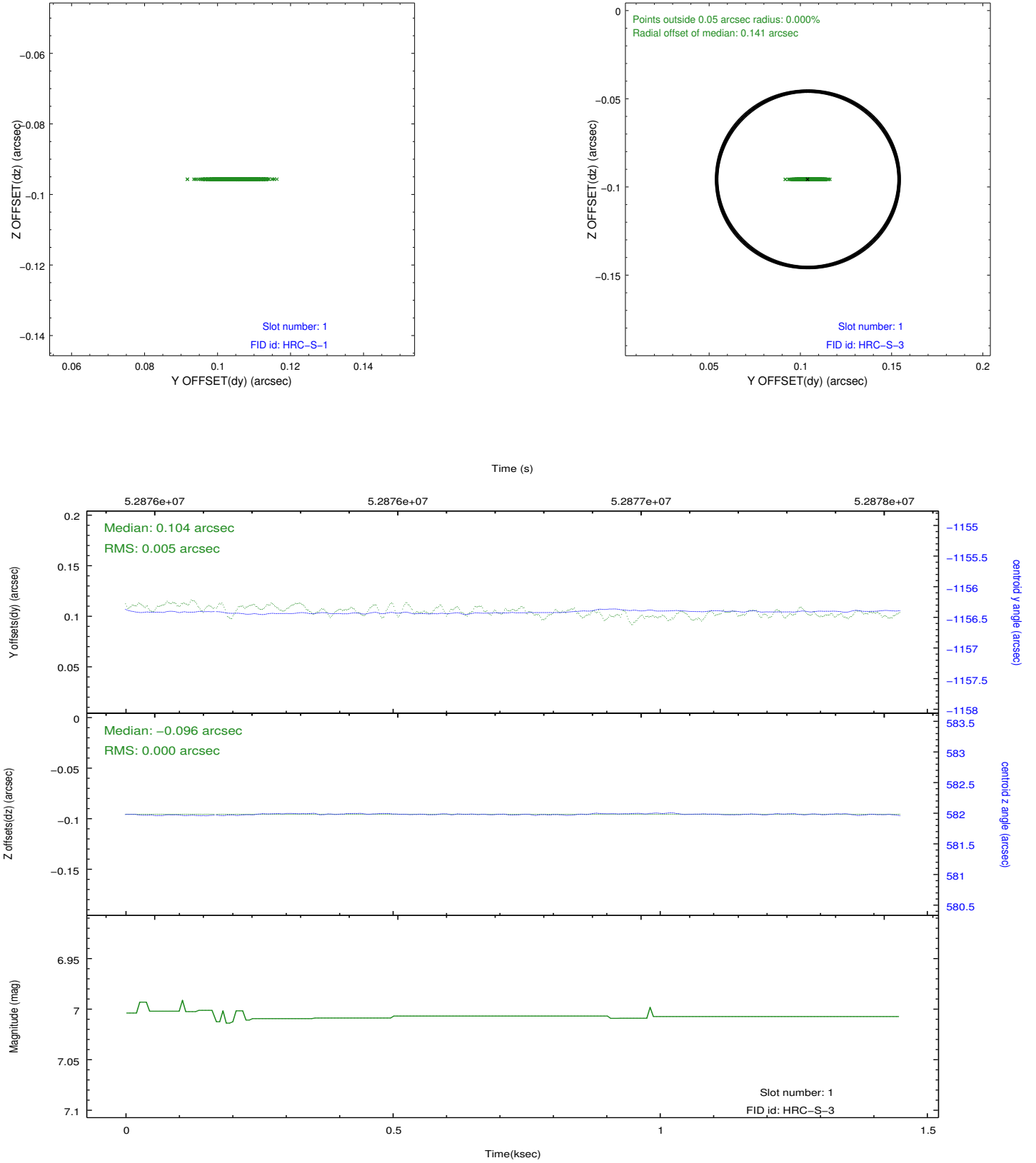


2.5 FID Slots

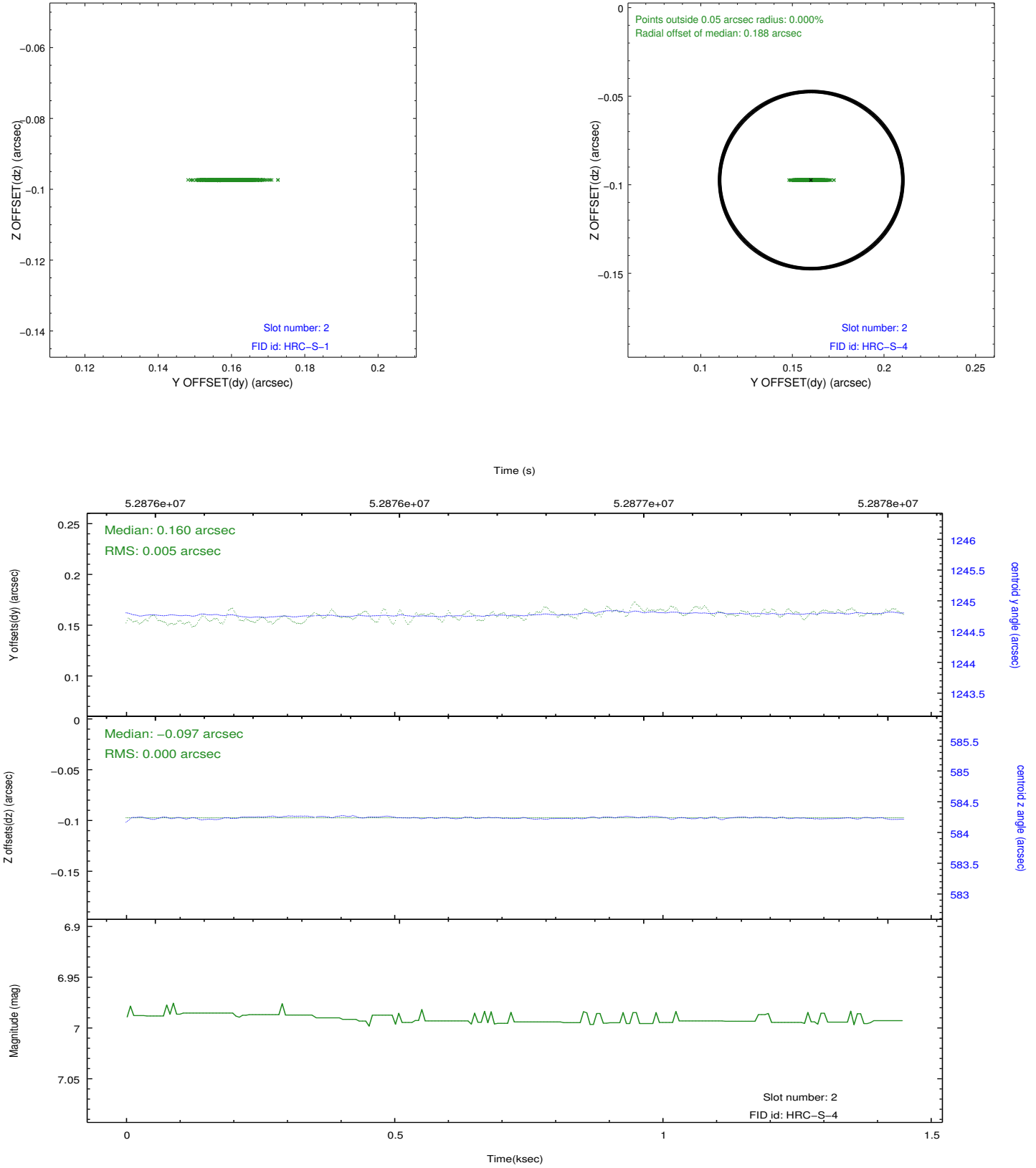
2.5.1 Slot 0



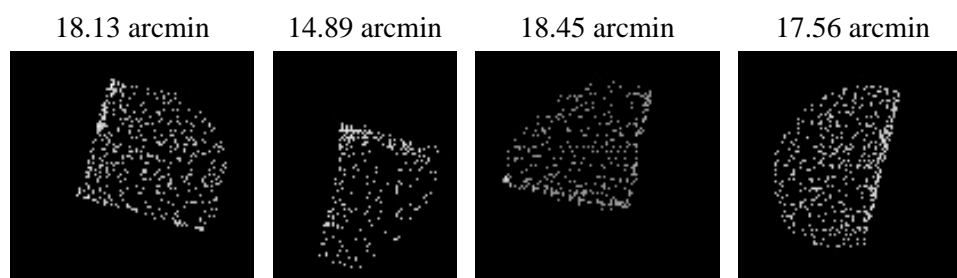
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.377

A.2 Comments

Window preference met.

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The fid light in slot 0 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.