

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4351 - L2 Version 4
Chandra X-Ray Center

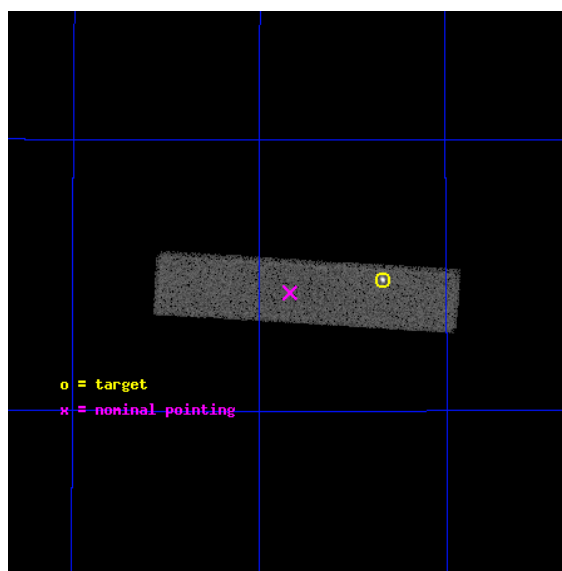
L2 Processing Date : Oct 23 2012

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1 Front

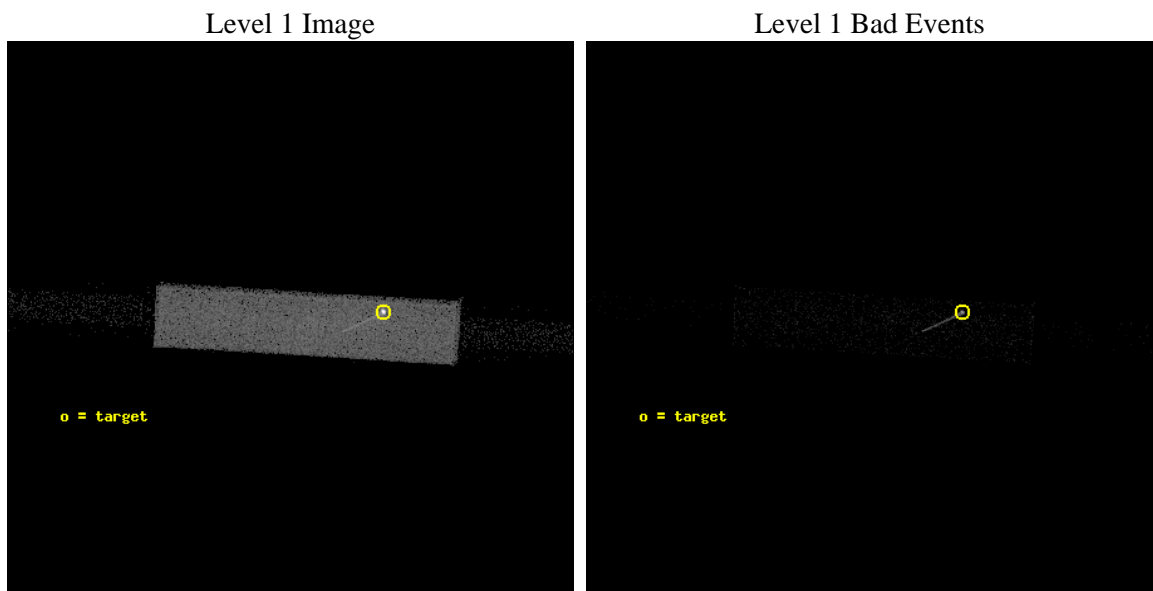
seq_num	290311	Sequence number
obs_id	4351	Observation id
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.41860938676	Nominal RA [deg]
dec_nom	45.718270354561	Nominal Dec [deg]
roll_nom	3.4059310452134	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1142.1062980592	[s]
livetime	1135.5957672653	Ontime multiplied by DTCOR
l2events	46220	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1142.1062980592	[s]
caldsver	4.5.2	 	l1events	76632	Number of level 1 events
date	2012-10-23T09:25:51	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

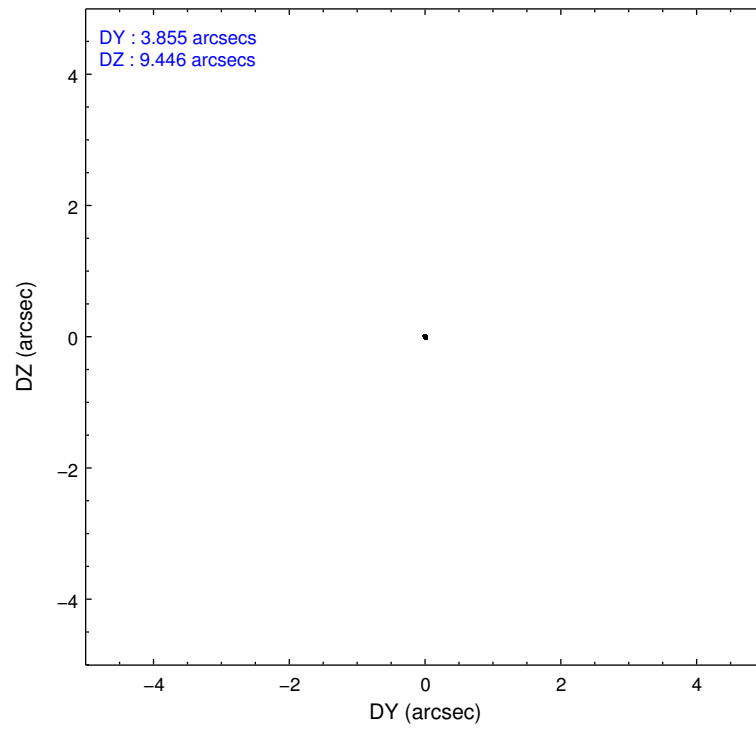
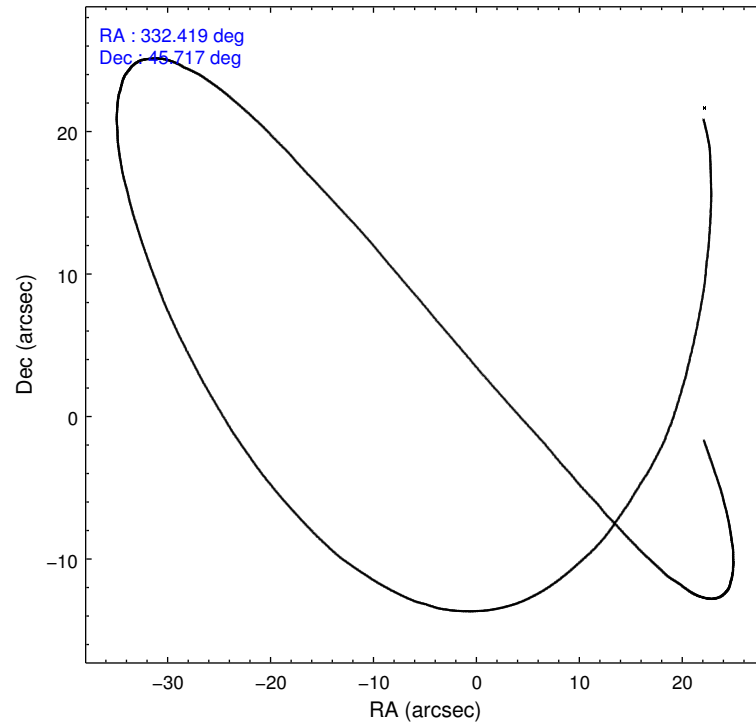
Level 1 Events

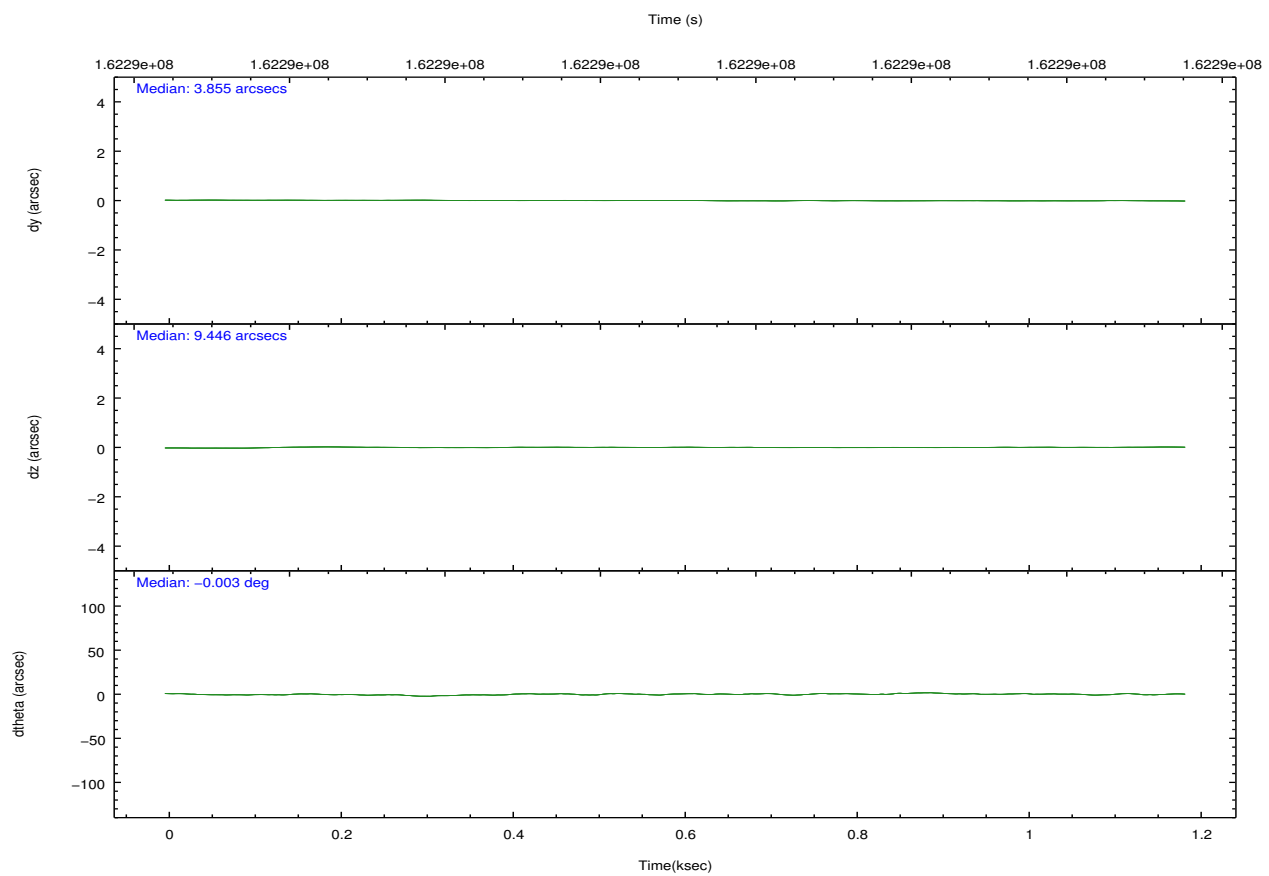
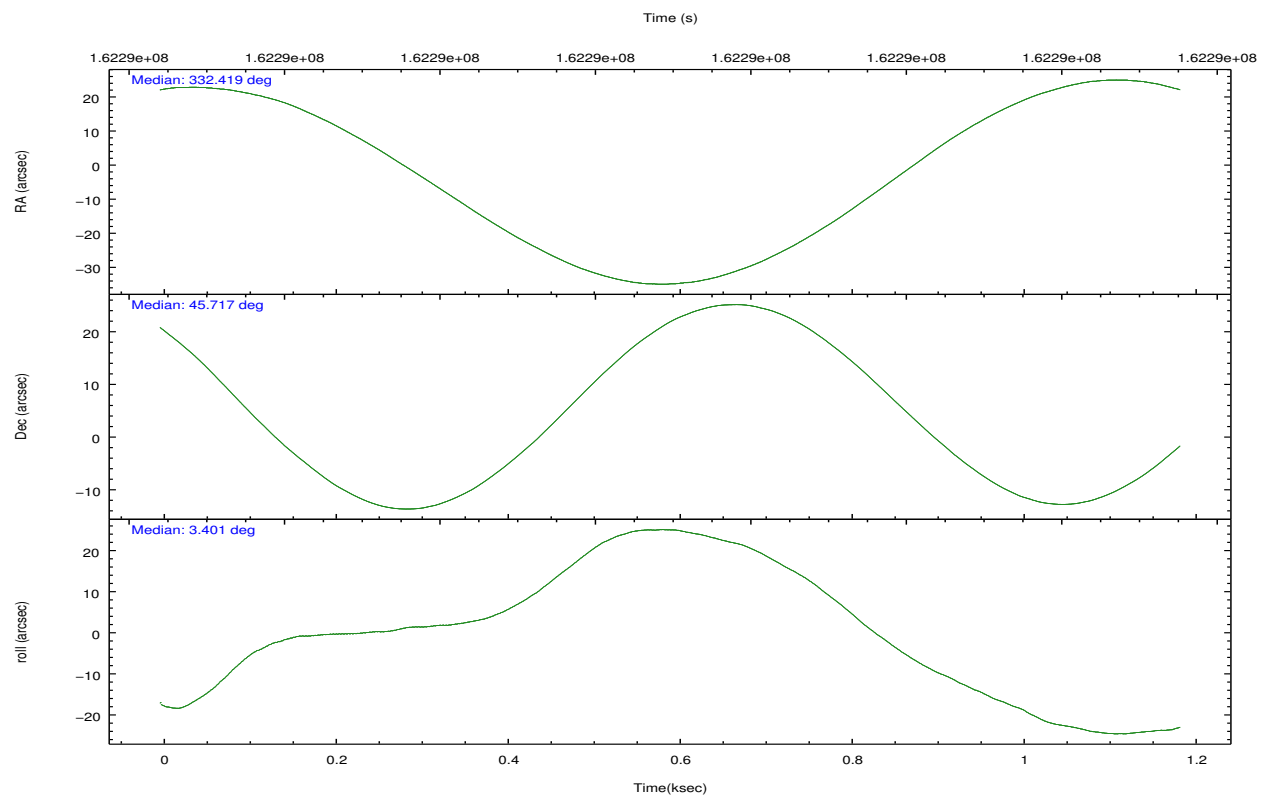
	segment 1	segment 2	segment 3
level 1 events	1424	73792	1416
rejected events	1424	17942	1416
rejected %	100%	24%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.384869	332.4186093867617			
[deg] Pointing Dec	45.702242	45.71827035456059			
[deg] Pointing Roll	3.362736	3.405931045213431			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	162290485.184000	162290109.70691			
Observation start date	2003-02-22T08:40:21	2003-02-22T08:35:09			
[s] Observation end time (MET)	162291485.184000	162291619.53197			
Observation end date	2003-02-22T08:57:01	2003-02-22T09:00:19			

2.3 Aspect



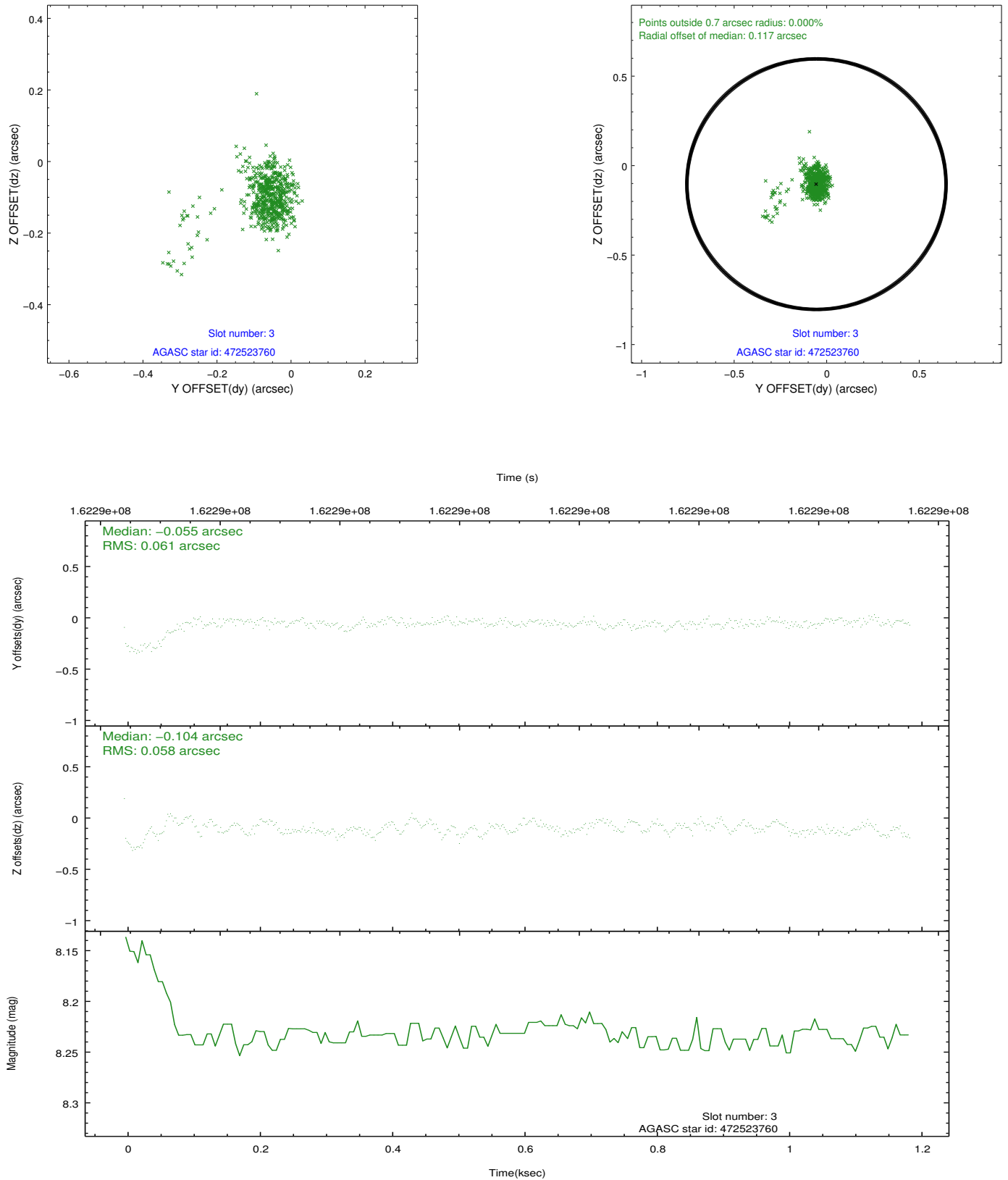


Slot Statistics

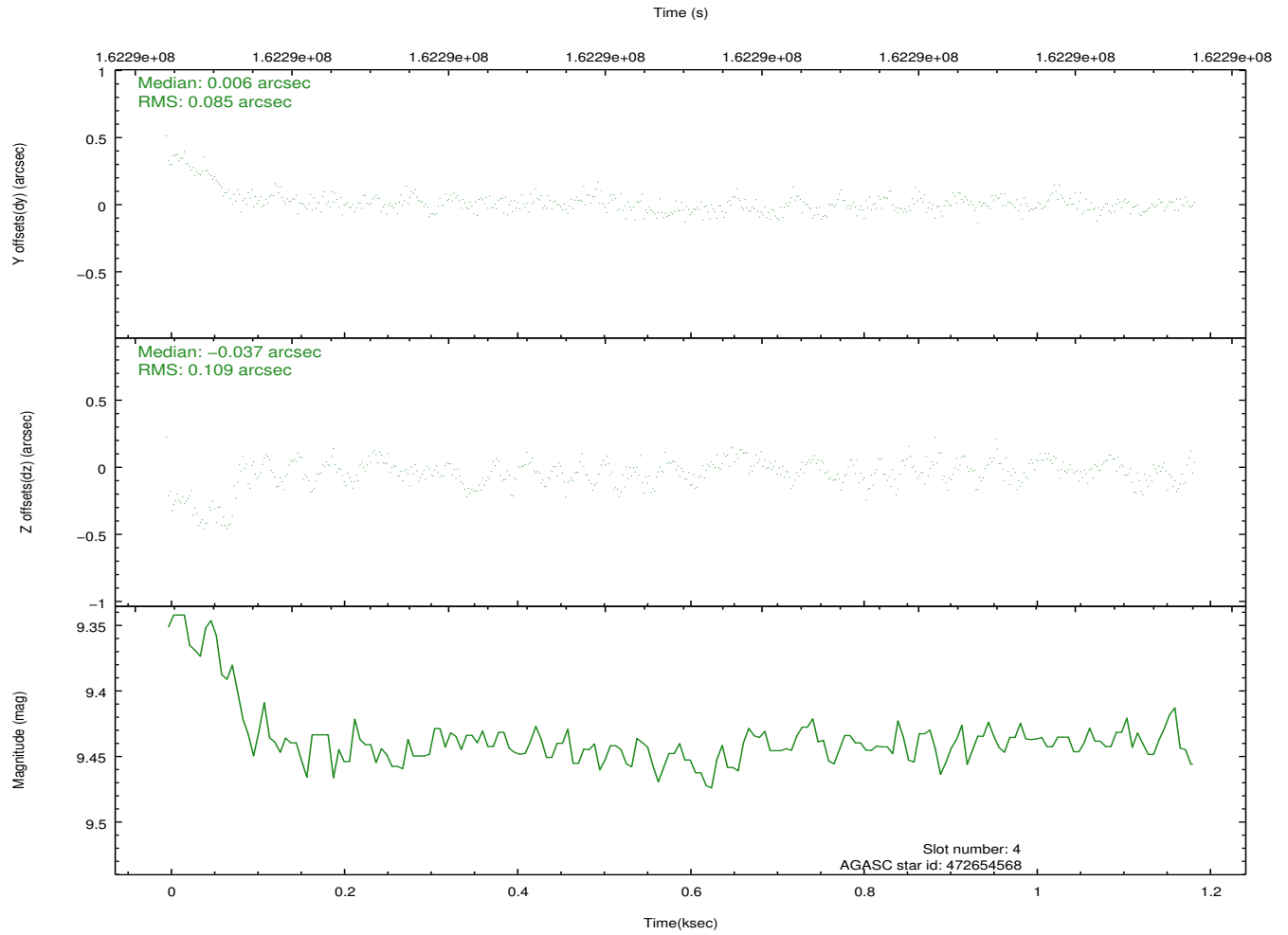
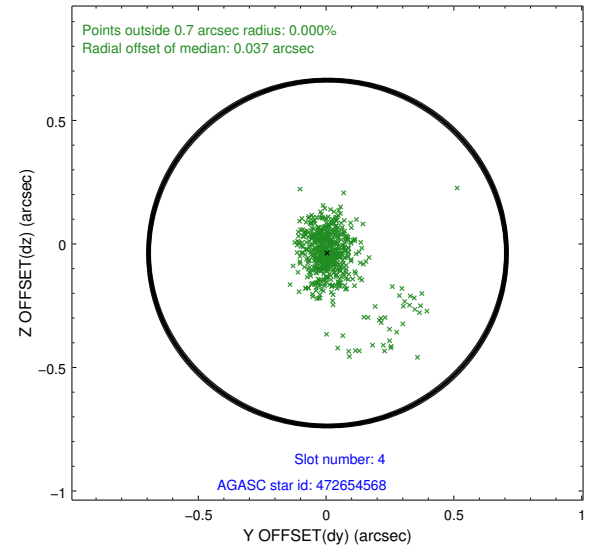
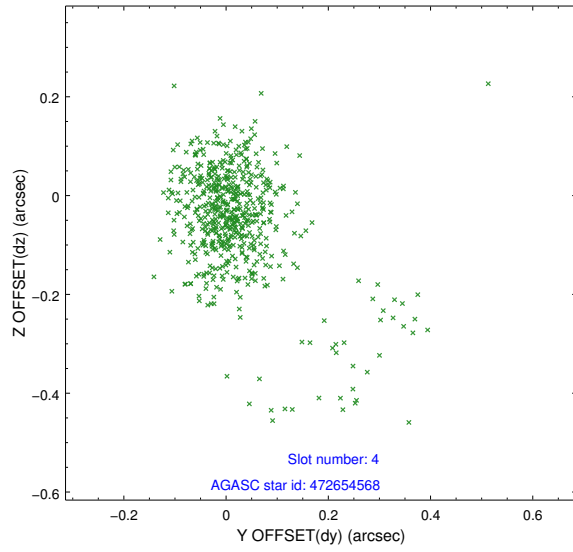
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	290	0.158	-0.182	0.006	0.010	0.000000	0.000000	-1157.89	-458.11
1	FID	HRC-S-2	7.00	290	0.081	-0.092	0.006	0.012	0.000000	0.000000	1237.72	-452.26
2	FID	HRC-S-3	7.02	290	0.151	-0.029	0.007	0.011	0.000000	0.000000	-1156.34	570.01
3	GUIDE	472523760	8.23	579	-0.055	-0.104	0.067	0.173	331.645363	45.403260	-1930.00	-952.90
4	GUIDE	472654568	9.44	580	0.006	-0.037	0.112	0.339	332.194449	45.063576	-622.71	-2264.39
5	GUIDE	472655152	9.43	579	0.073	0.001	0.089	0.165	332.504239	45.862991	330.25	560.12
6	GUIDE	472659832	9.46	580	0.023	0.018	0.102	0.169	332.780399	46.098139	1068.52	1372.03
7	GUIDE	472652872	10.12	579	-0.042	0.131	0.153	0.300	332.255928	45.019274	-471.18	-2428.89

2.4 Star Slots

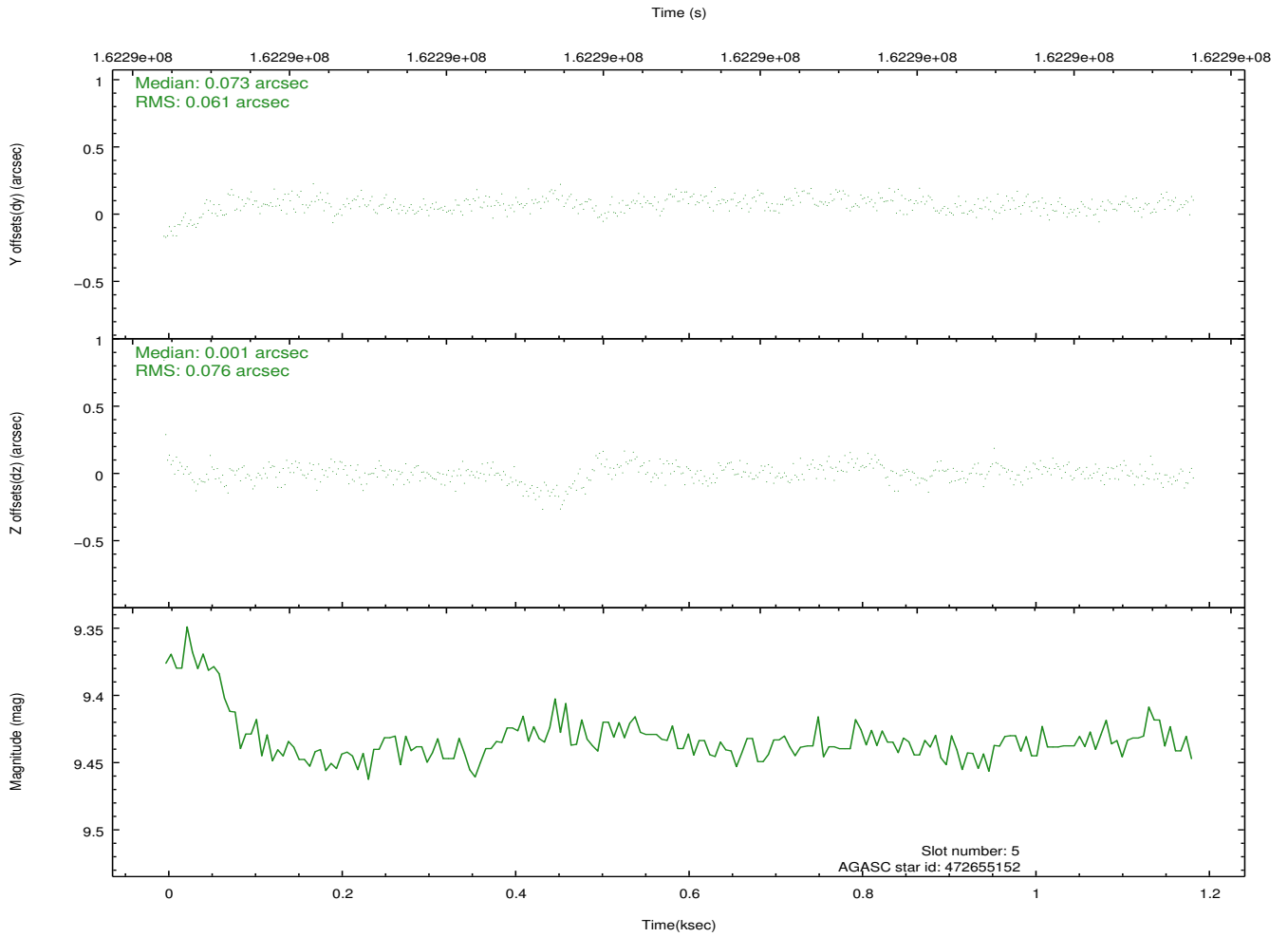
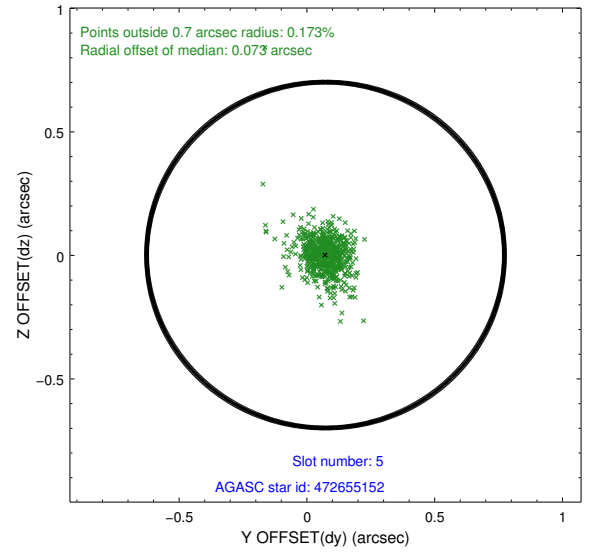
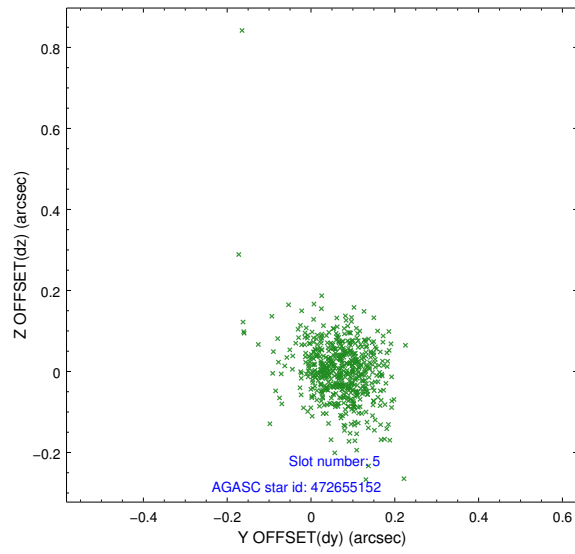
2.4.1 Slot 3



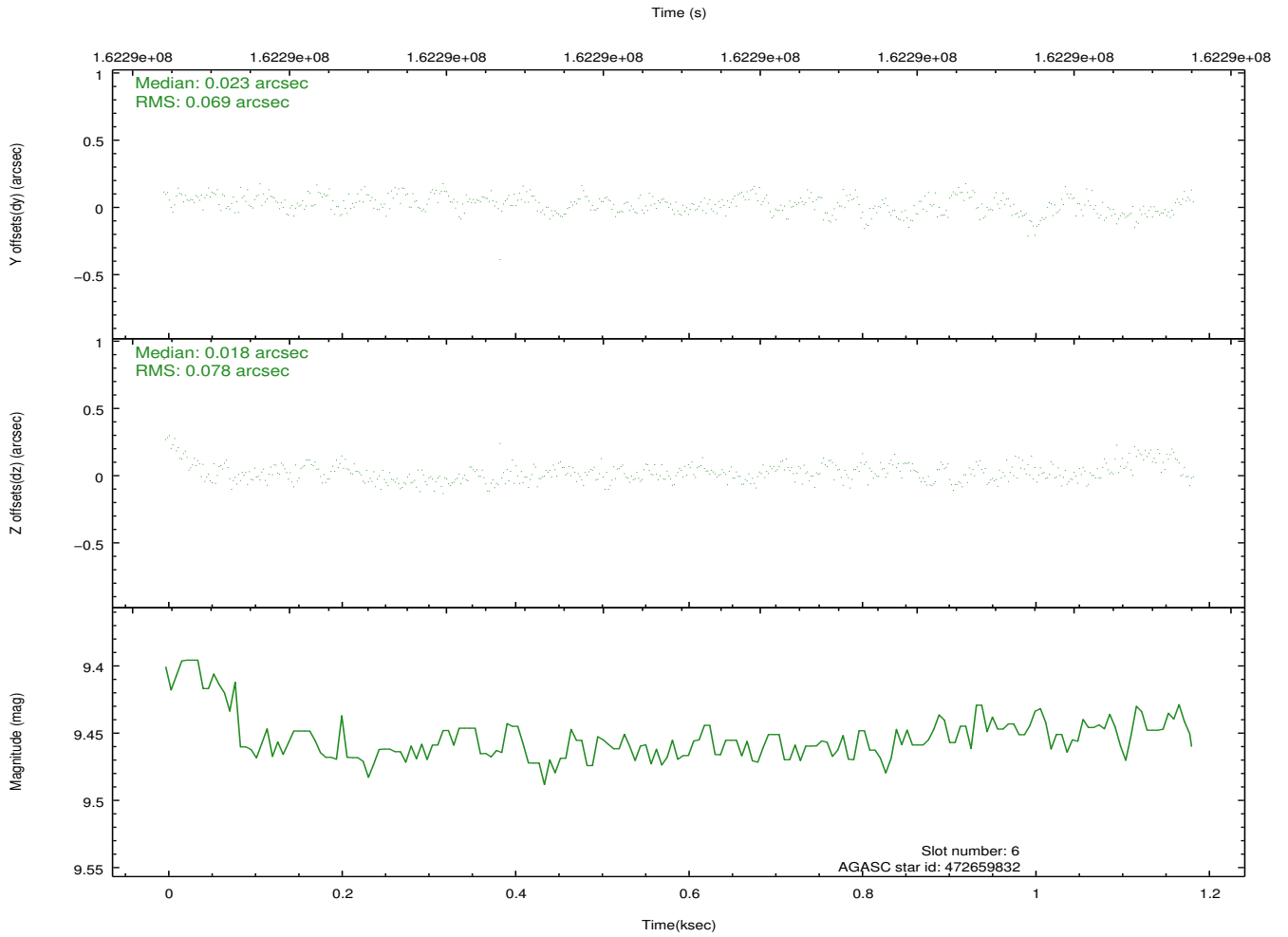
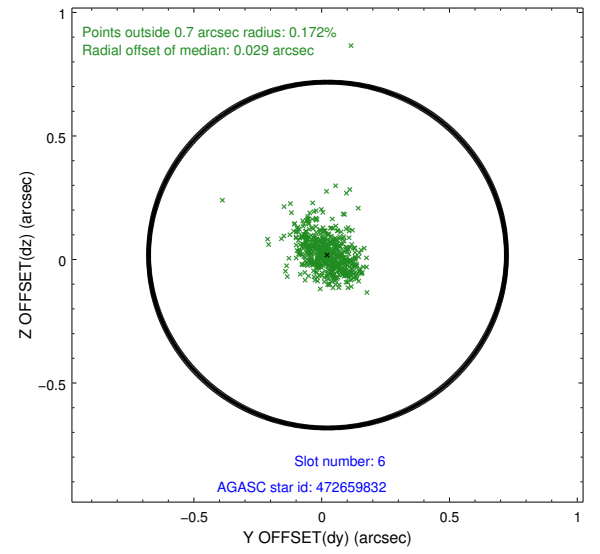
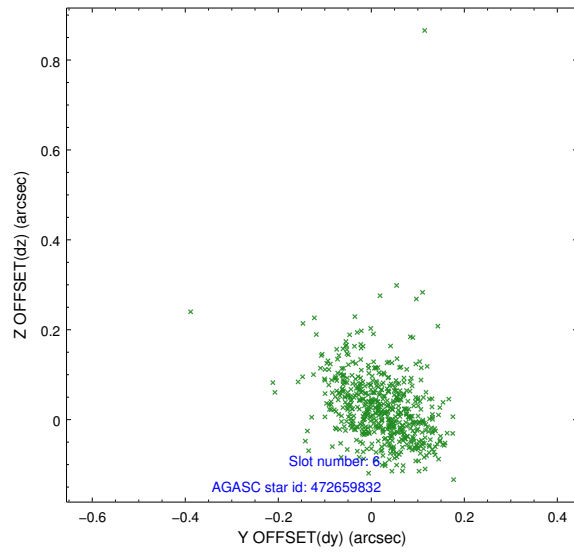
2.4.2 Slot 4



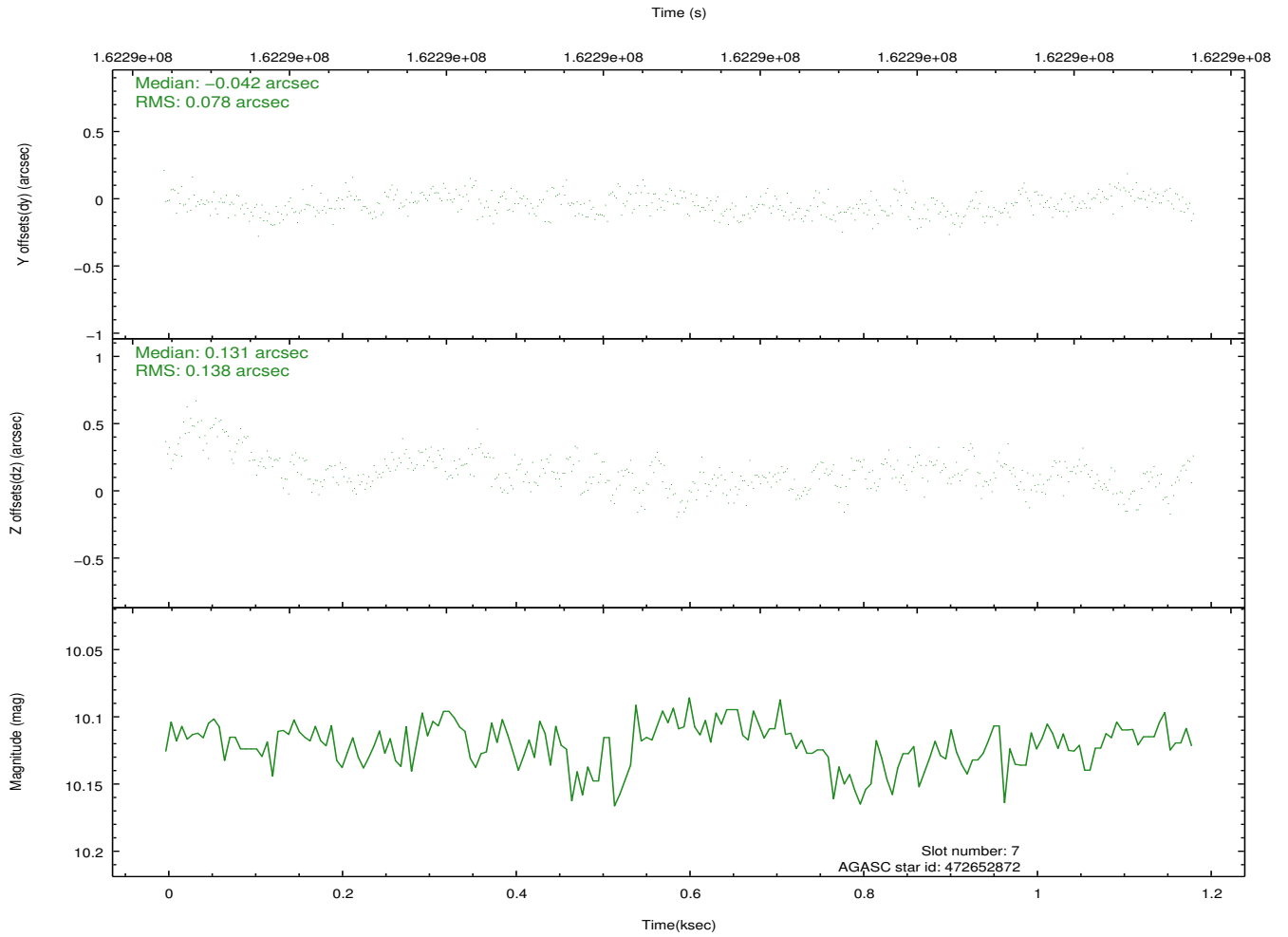
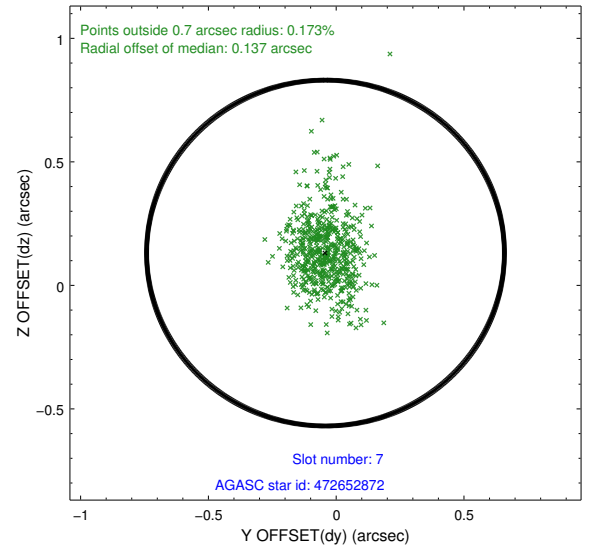
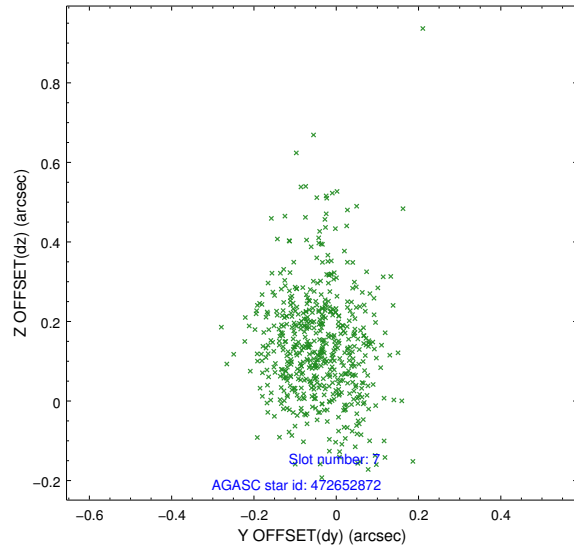
2.4.3 Slot 5



2.4.4 Slot 6

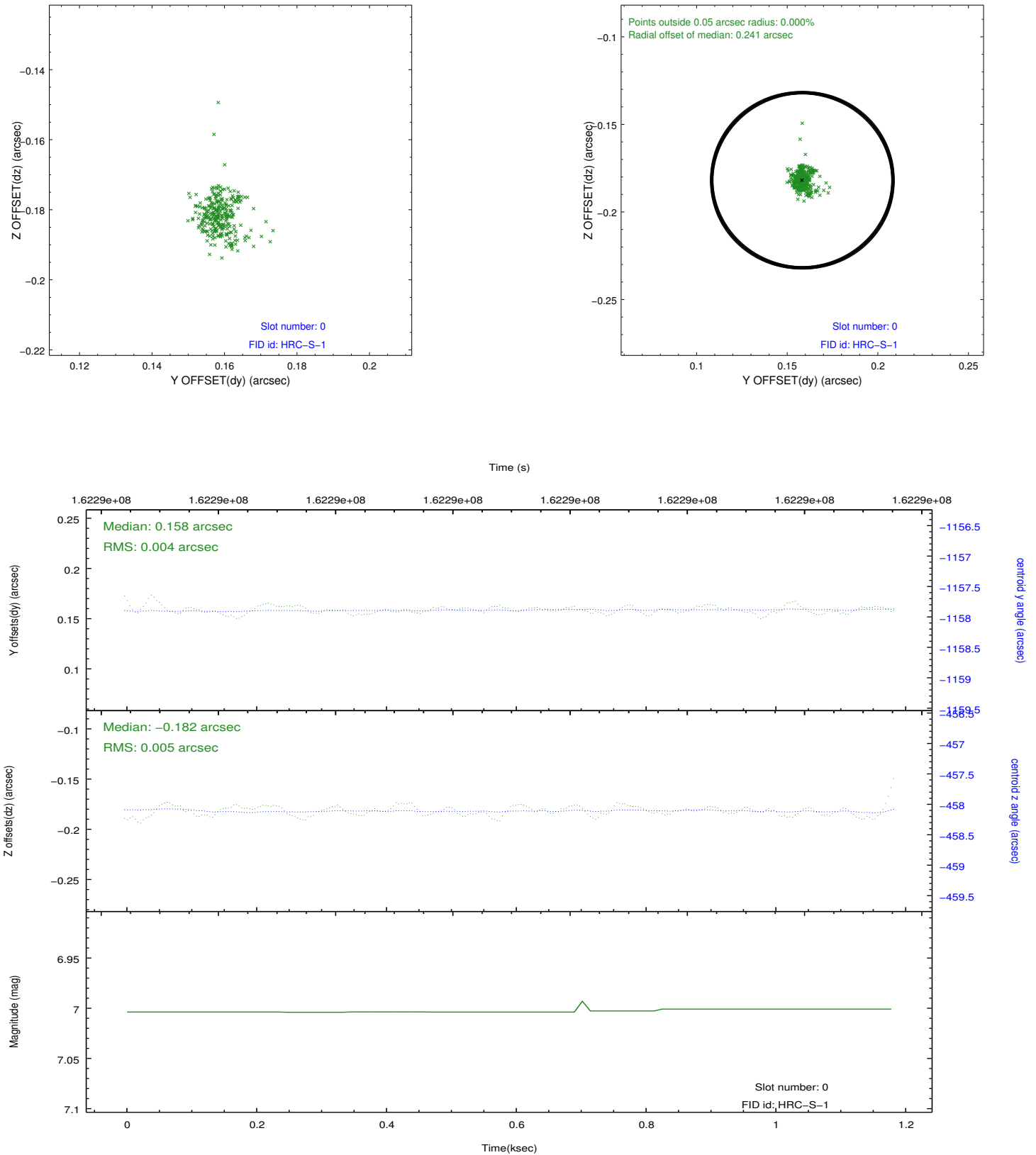


2.4.5 Slot 7

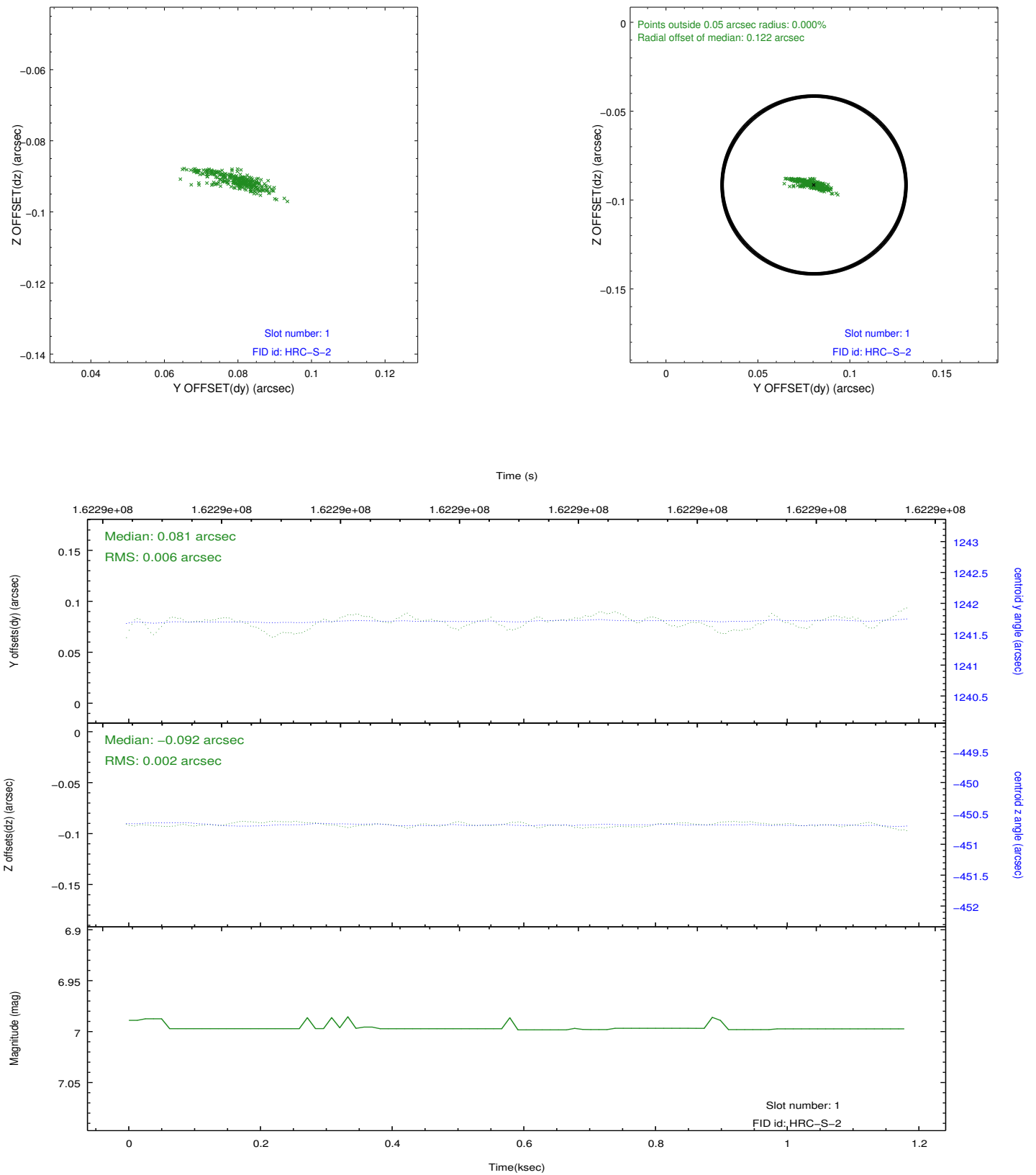


2.5 FID Slots

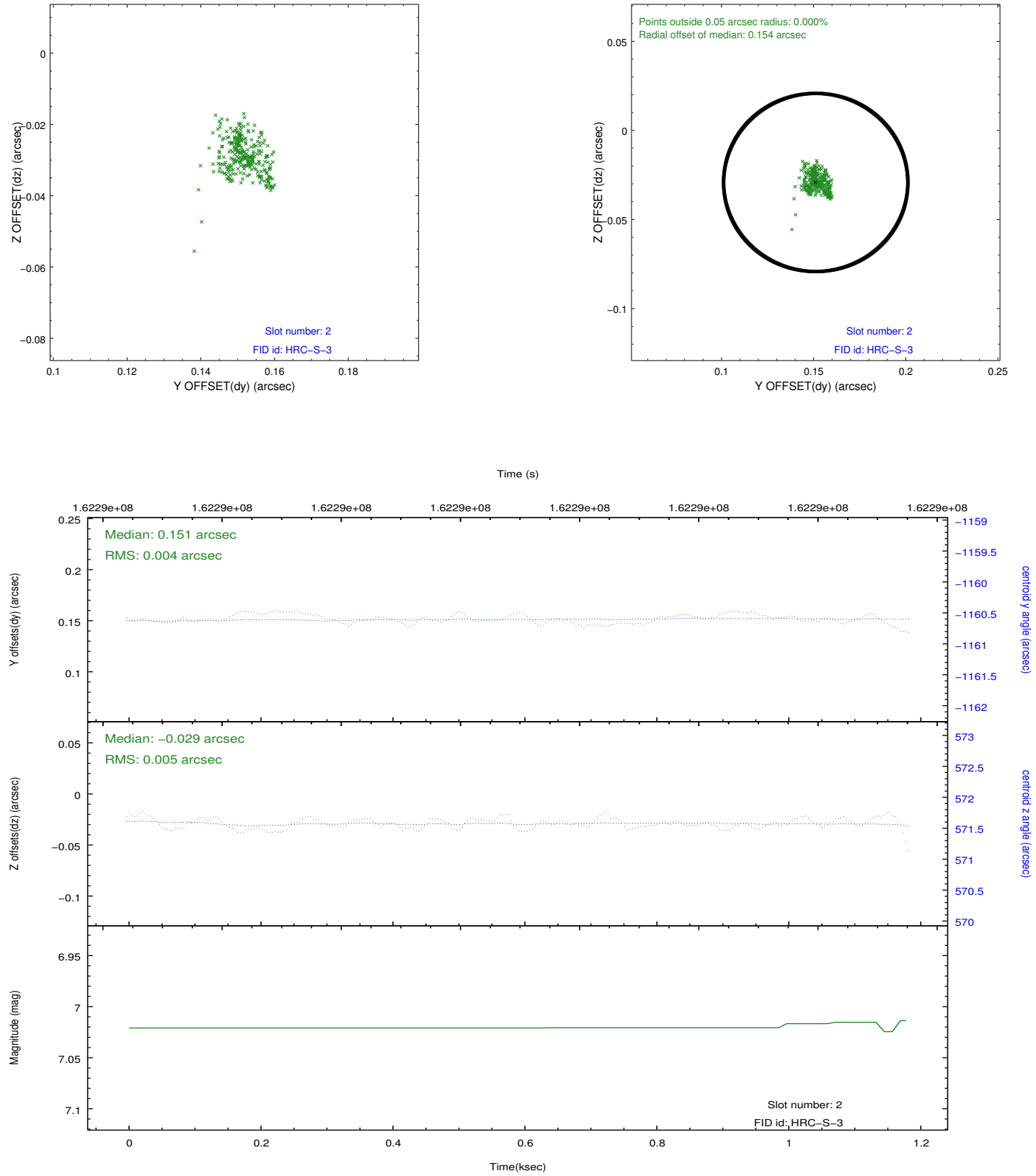
2.5.1 Slot 0



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)	2012.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.142

A.2 Comments