

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 6022 - L2 Version 3
Chandra X-Ray Center

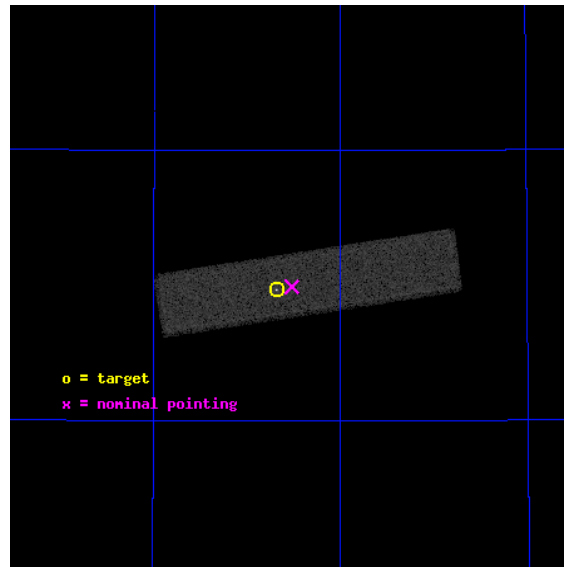
L2 Processing Date : Dec 17 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	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

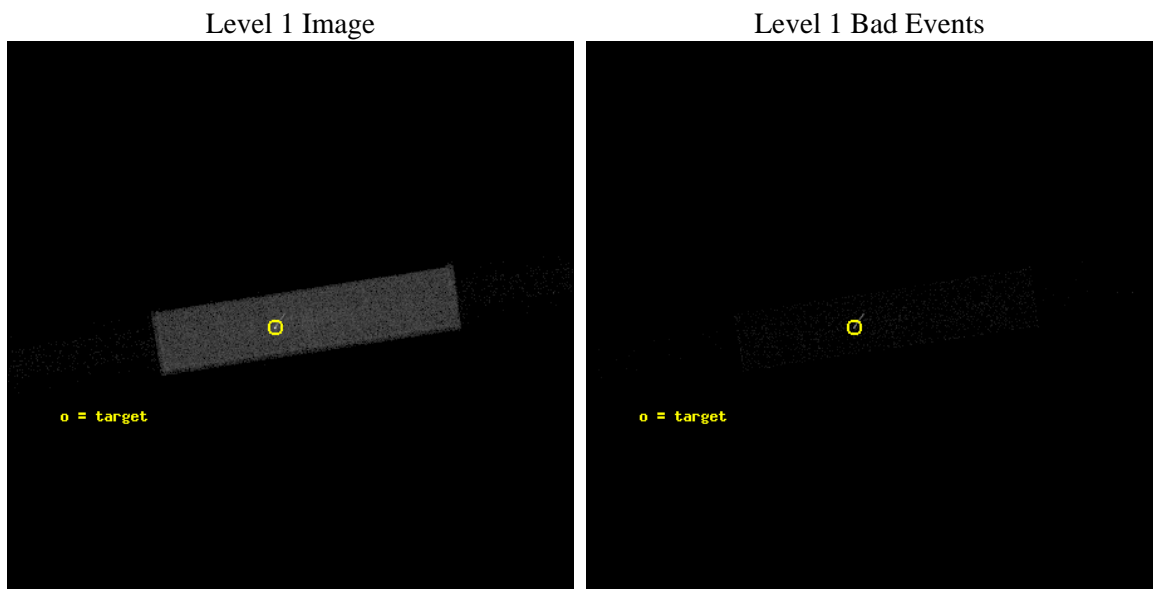
seq_num	290514	Sequence number
obs_id	6022	Observation id
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12926904782	Nominal RA [deg]
dec_nom	45.747662538816	Nominal Dec [deg]
roll_nom	351.19714131726	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1151.3313021064	[s]
livetime	1144.3766411753	Ontime multiplied by DTCOR
l2events	49333	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	8.5.1	Processing system revision	ontime	1151.3313021064	[s]
caldsver	4.5.5	 	l1events	79244	Number of level 1 events
date	2012-12-17T04:22:34	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

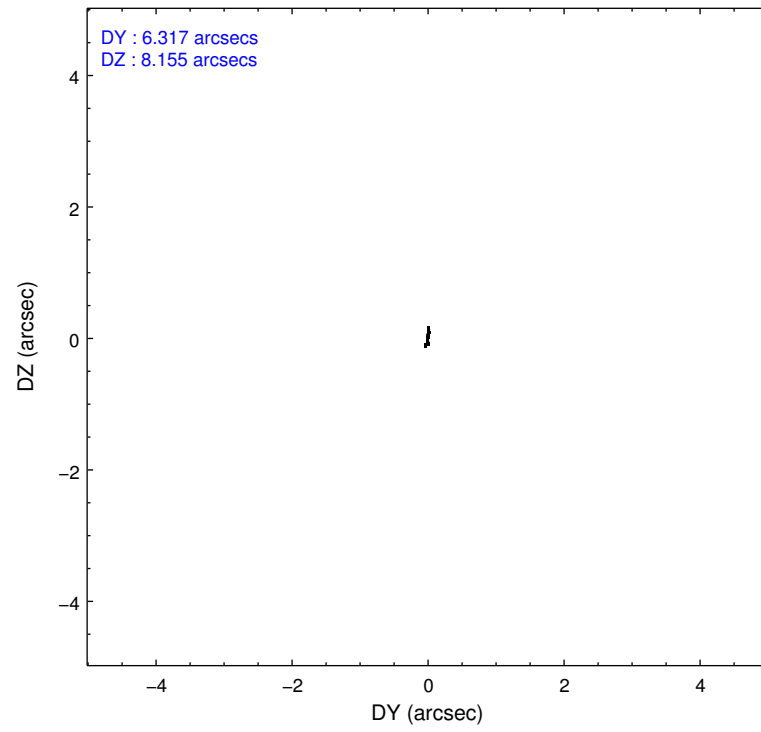
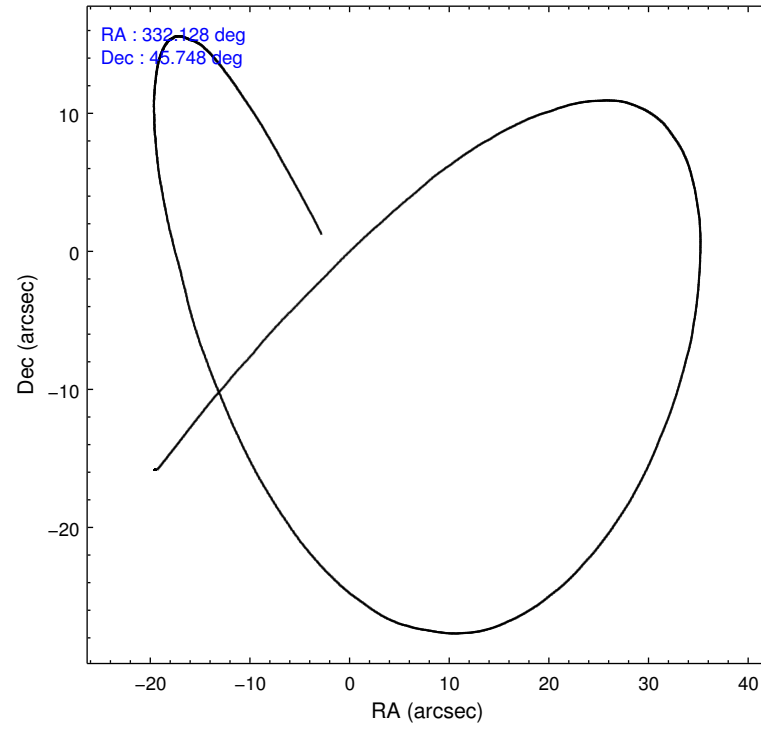
Level 1 Events

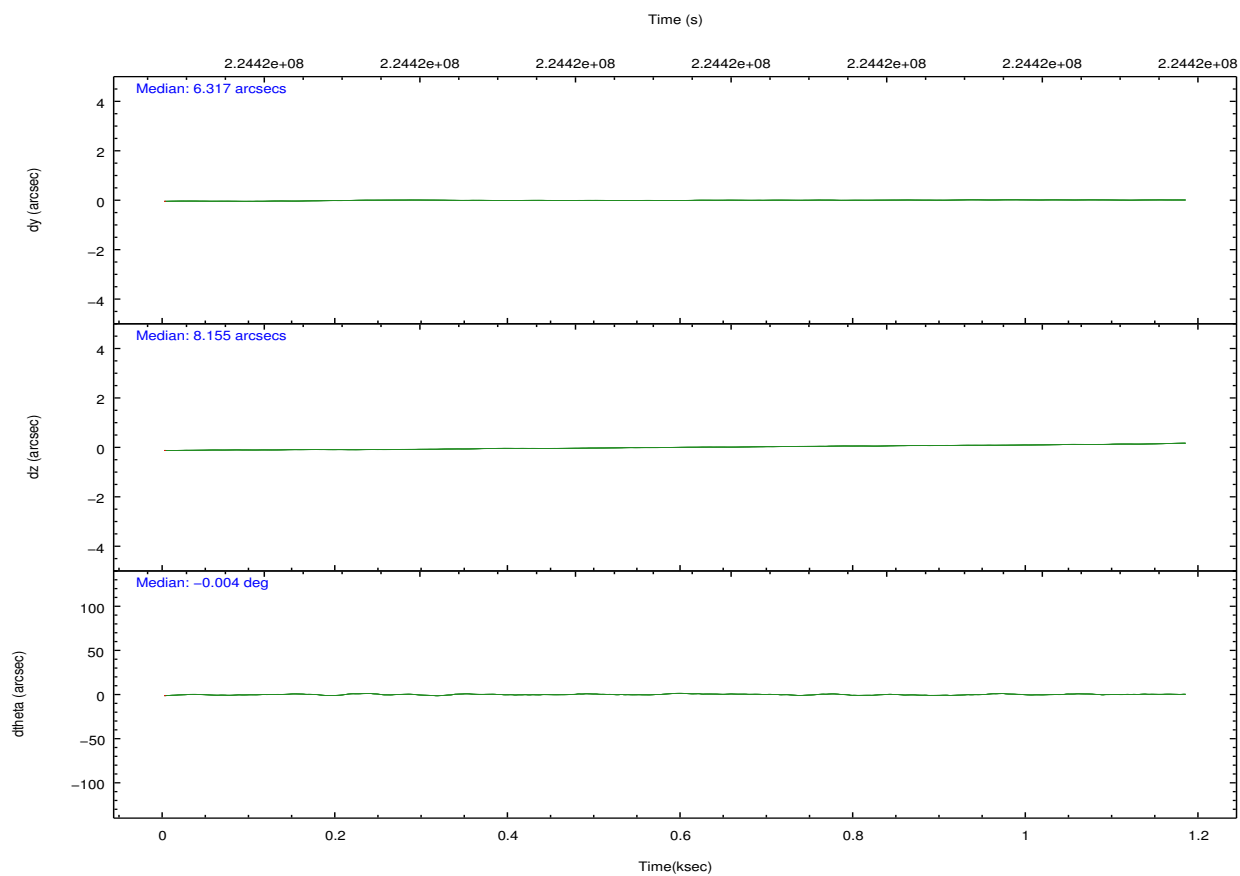
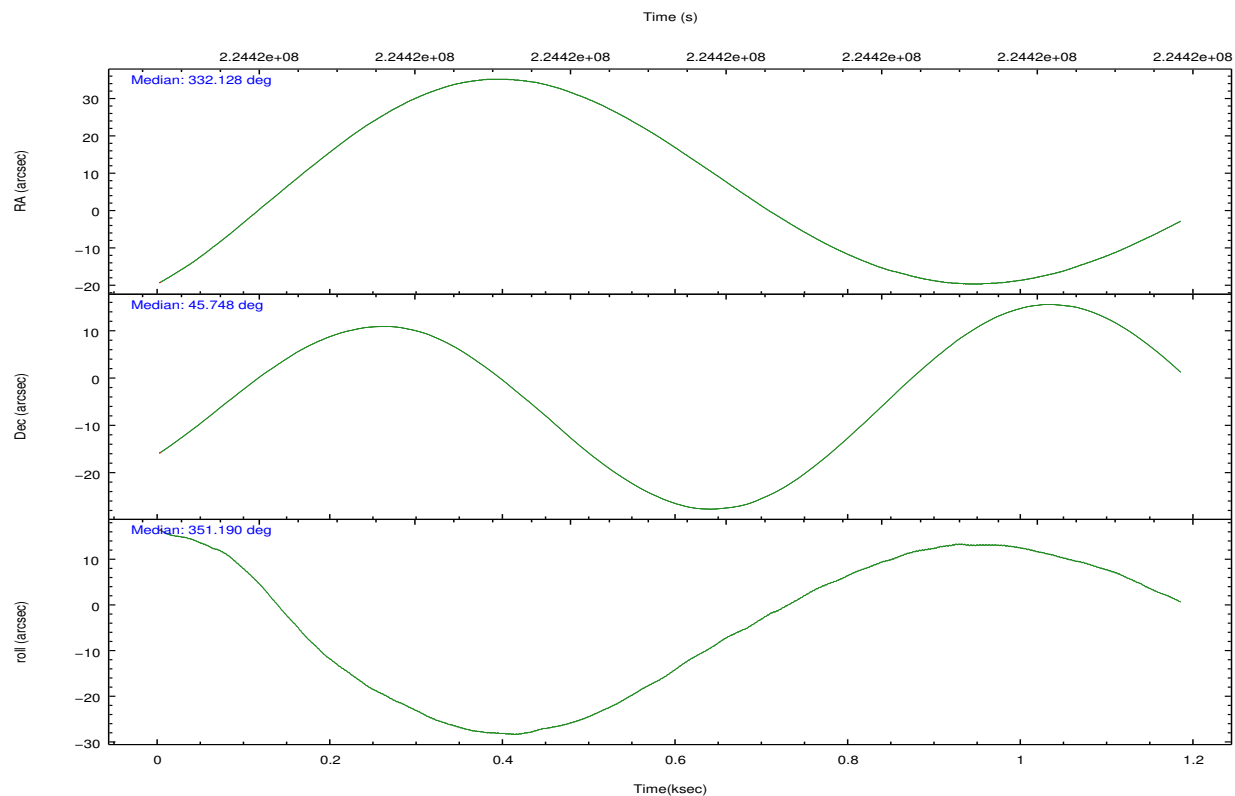
	segment 1	segment 2	segment 3
level 1 events	685	77910	649
rejected events	685	17885	649
rejected %	100%	22%	100%

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	332.091991	332.1292690478192			
[deg] Pointing Dec	45.734956	45.74766253881552			
[deg] Pointing Roll	351.156514	351.1971413172575			
[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)	224423723.184000	224423346.65744			
Observation start date	2005-02-10T11:54:19	2005-02-10T11:49:06			
[s] Observation end time (MET)	224424723.184000	224424856.48251			
Observation end date	2005-02-10T12:10:59	2005-02-10T12:14:16			

2.3 Aspect



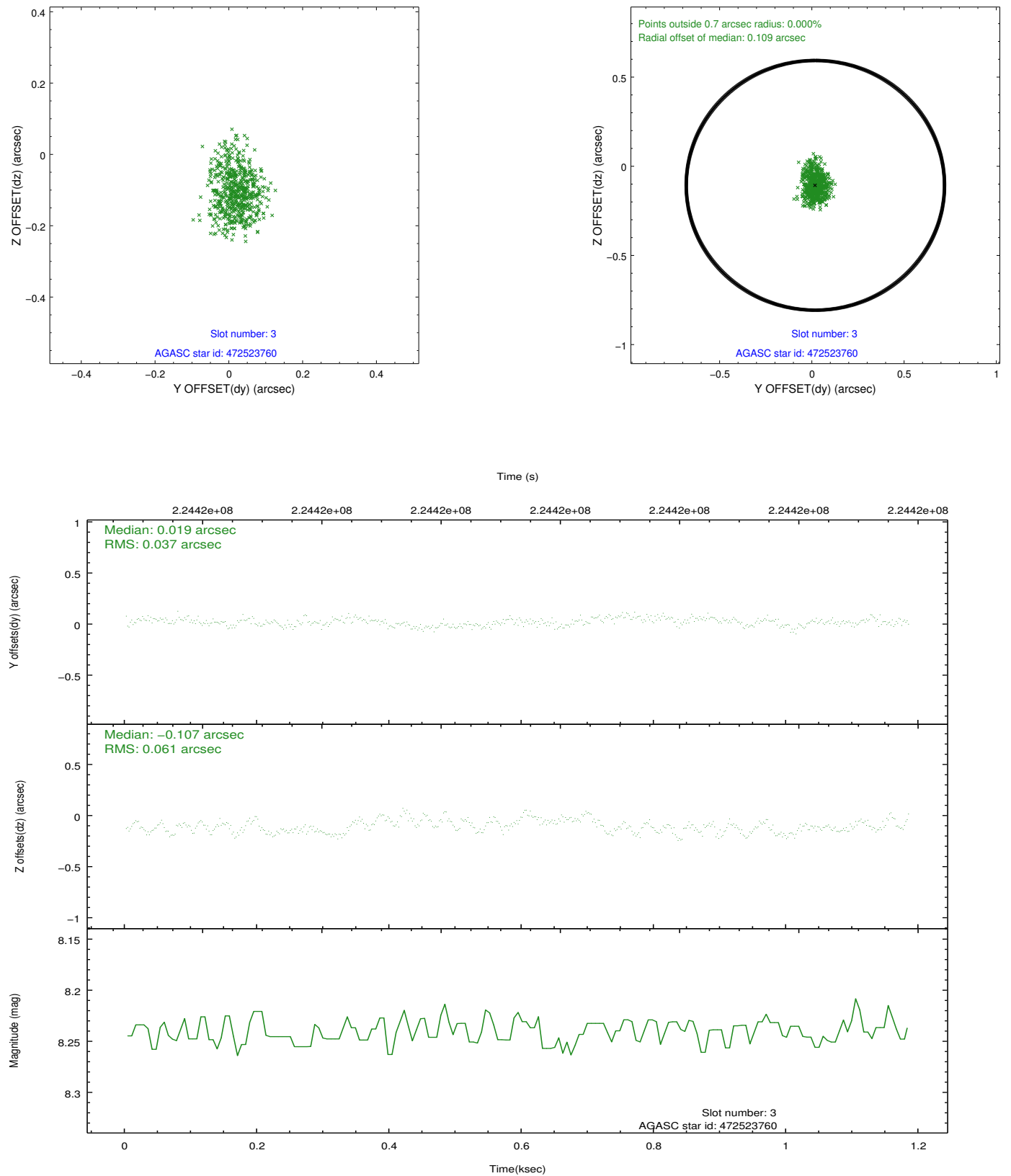


Slot Statistics

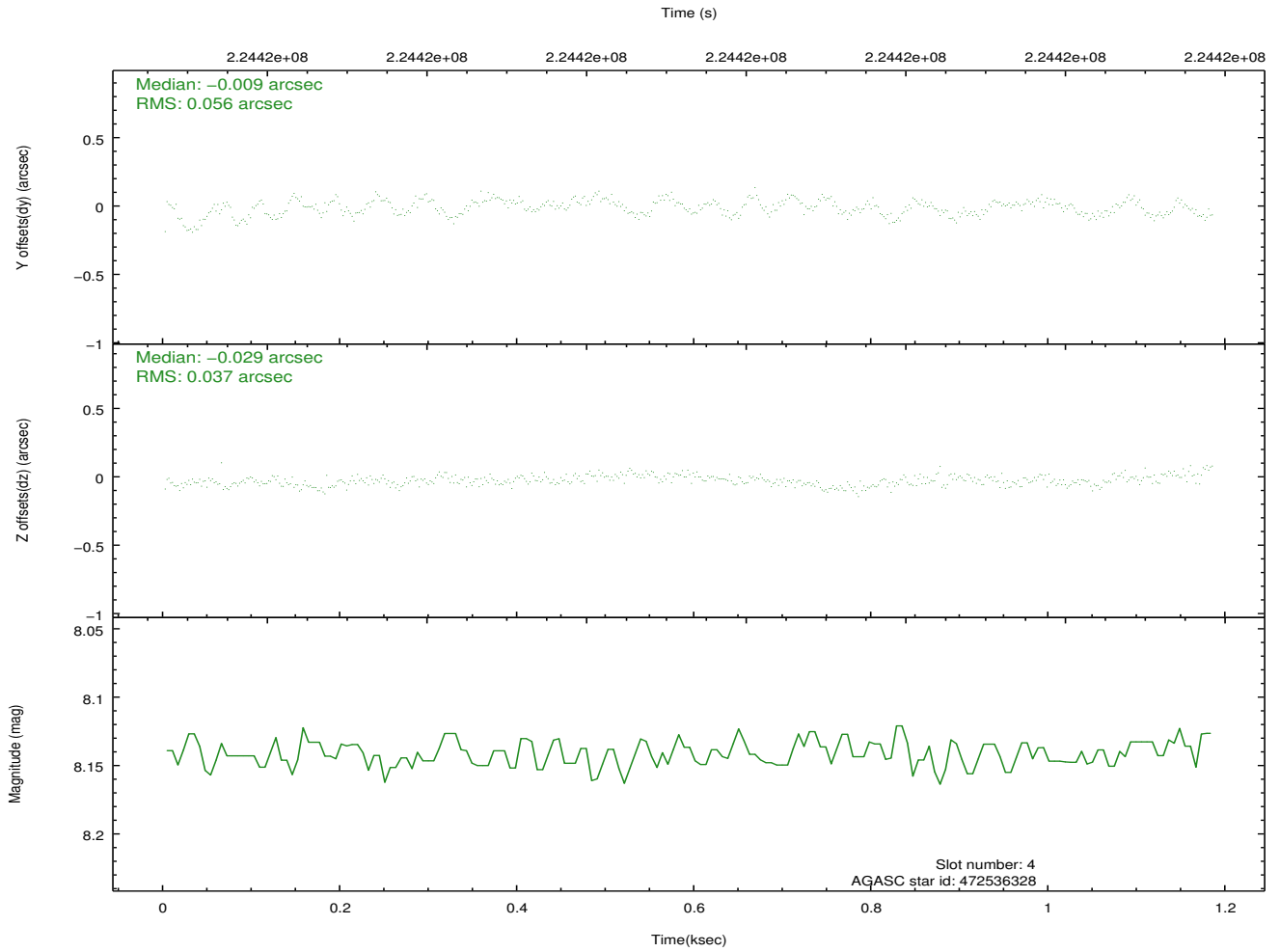
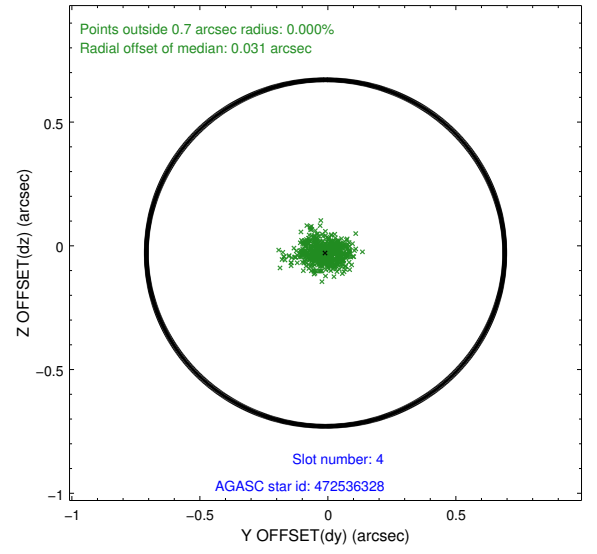
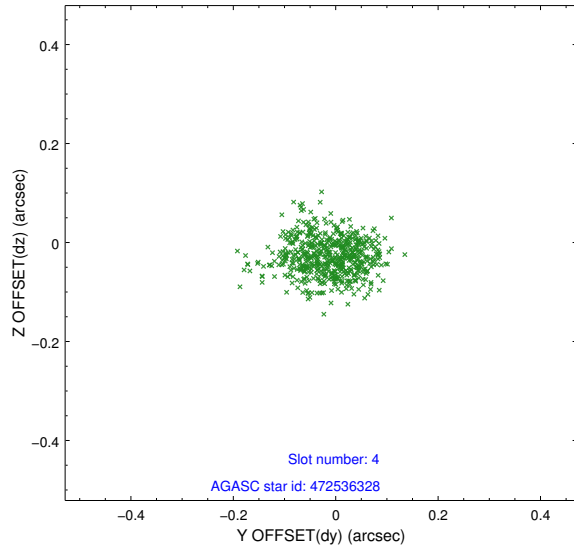
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	289	0.109	-0.129	0.007	0.012	0.000000	0.000000	-1160.46	-456.76
1	FID	HRC-S-2	7.04	289	0.167	-0.107	0.006	0.010	0.000000	0.000000	1235.26	-450.95
2	FID	HRC-S-3	7.05	289	0.114	-0.066	0.007	0.015	0.000000	0.000000	-1158.91	571.27
3	GUIDE	472523760	8.24	578	0.019	-0.107	0.077	0.124	331.645363	45.403260	-931.25	-1353.92
4	GUIDE	472536328	8.14	578	-0.009	-0.029	0.071	0.116	331.496671	46.454831	-1859.25	2333.35
5	GUIDE	472665256	9.01	578	-0.021	0.028	0.091	0.141	332.808125	46.195041	1505.01	1919.90
6	GUIDE	472537064	8.95	578	0.002	0.140	0.095	0.152	331.323423	46.483499	-2295.05	2378.86
7	GUIDE	472527720	6.99	577	0.004	-0.041	0.068	0.107	331.460205	45.112509	-1245.23	-2454.10

2.4 Star Slots

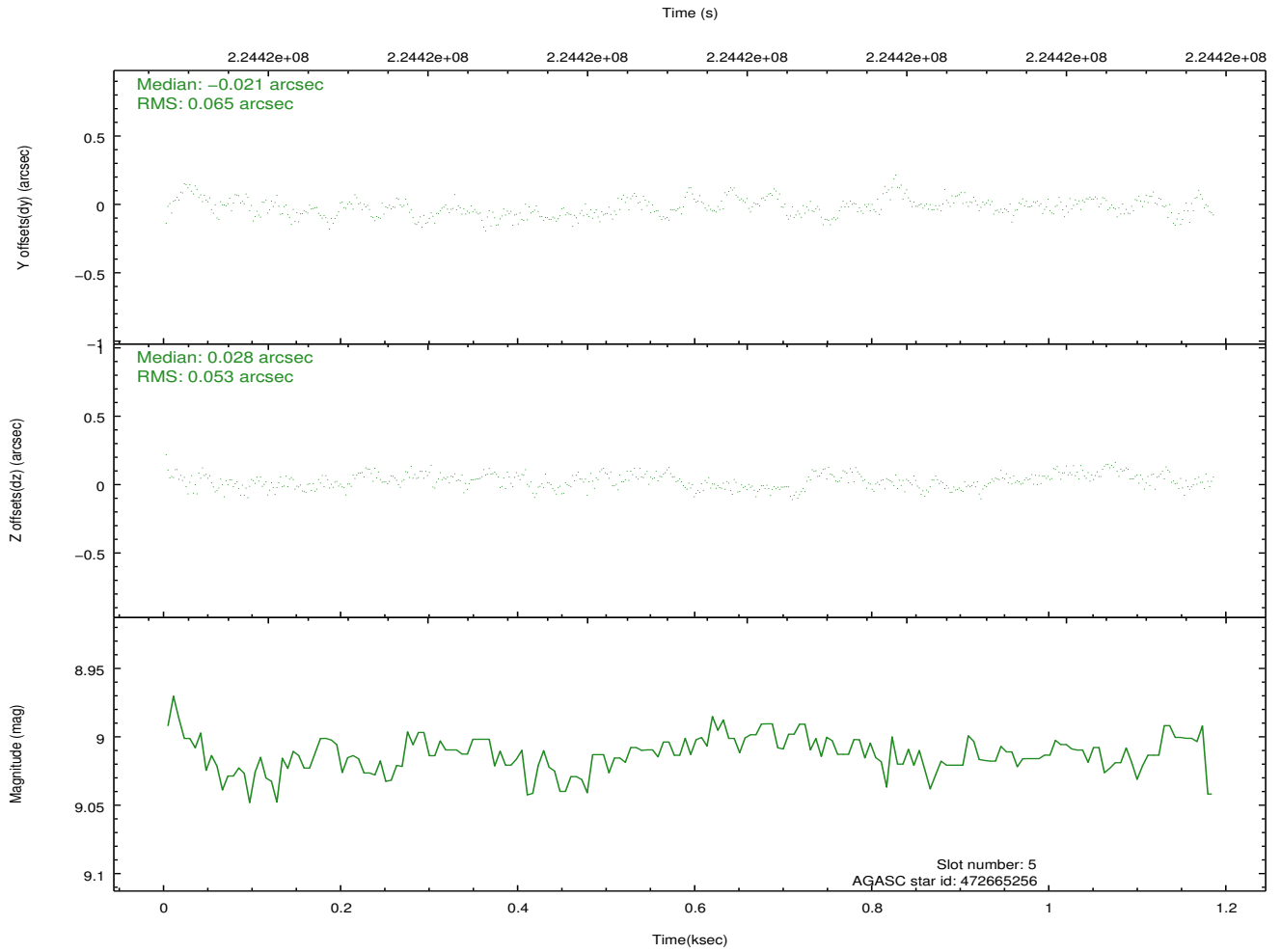
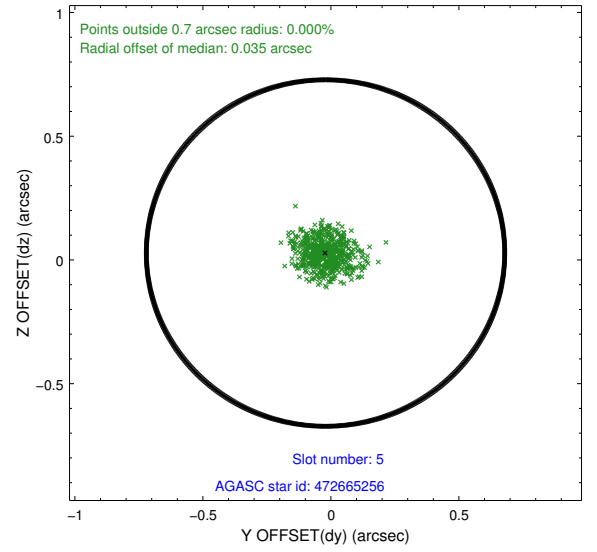
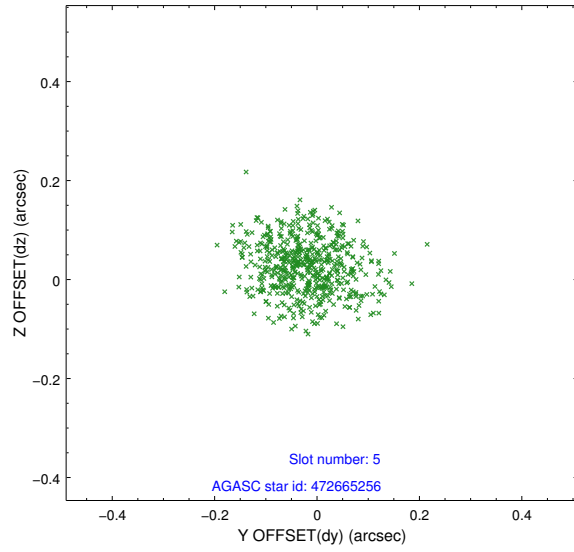
2.4.1 Slot 3



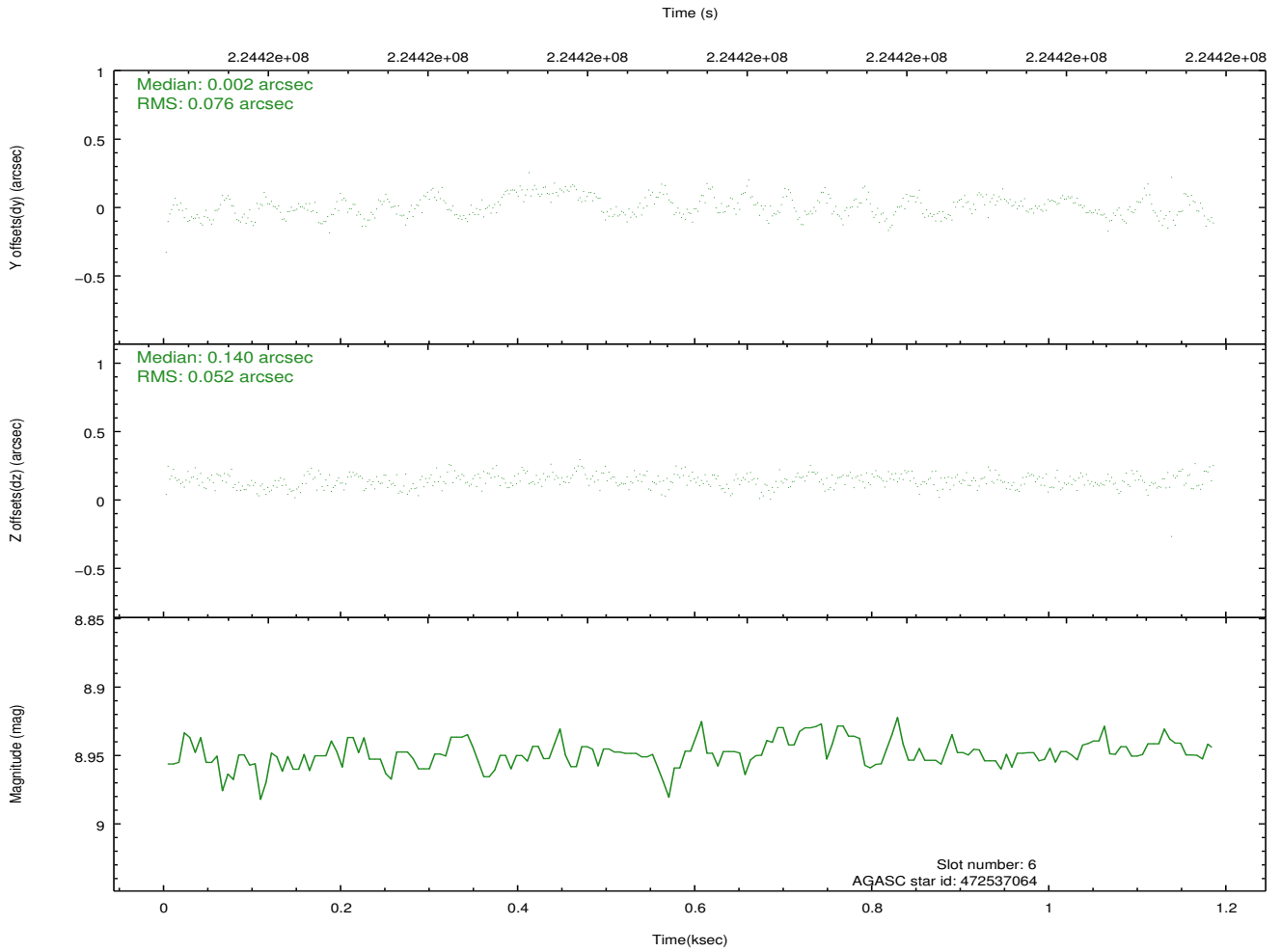
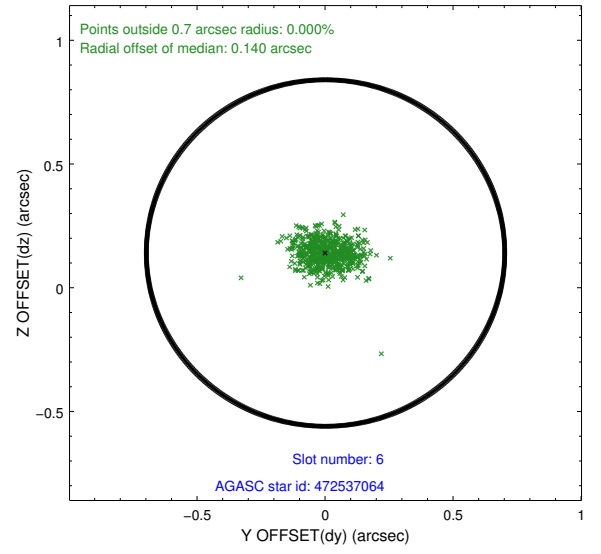
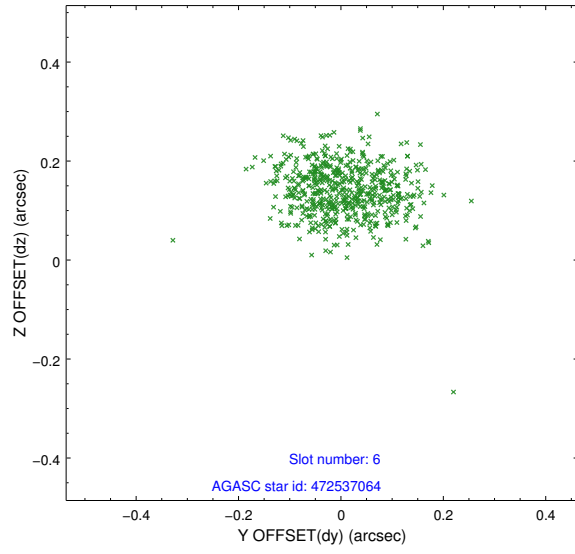
2.4.2 Slot 4



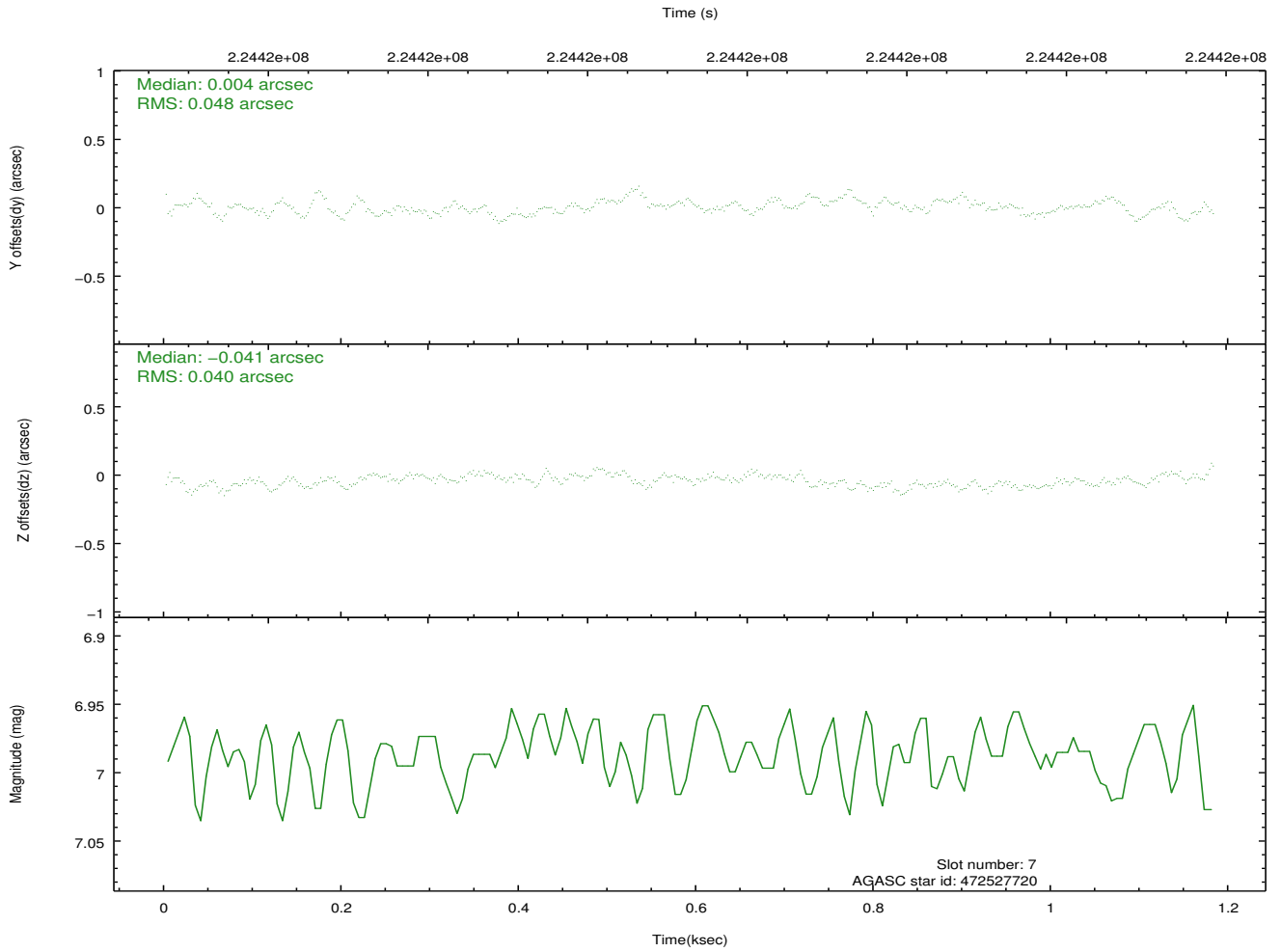
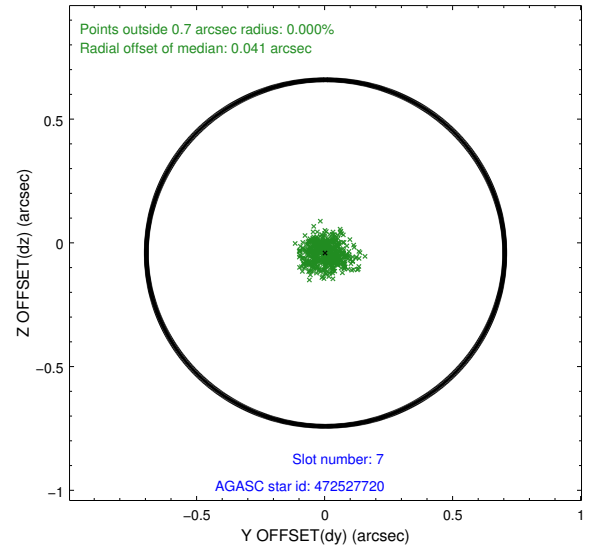
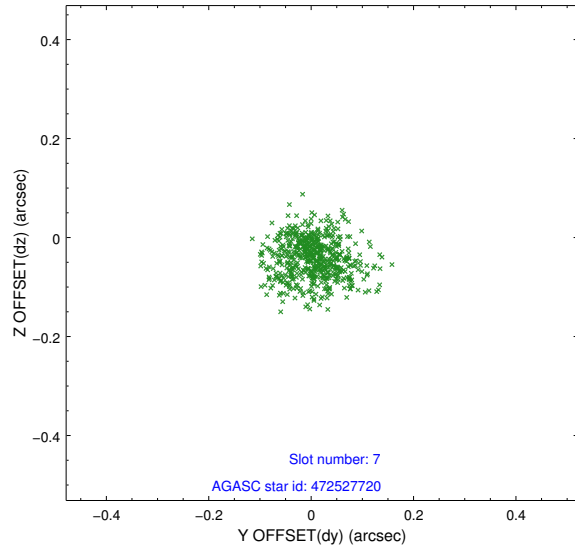
2.4.3 Slot 5



2.4.4 Slot 6

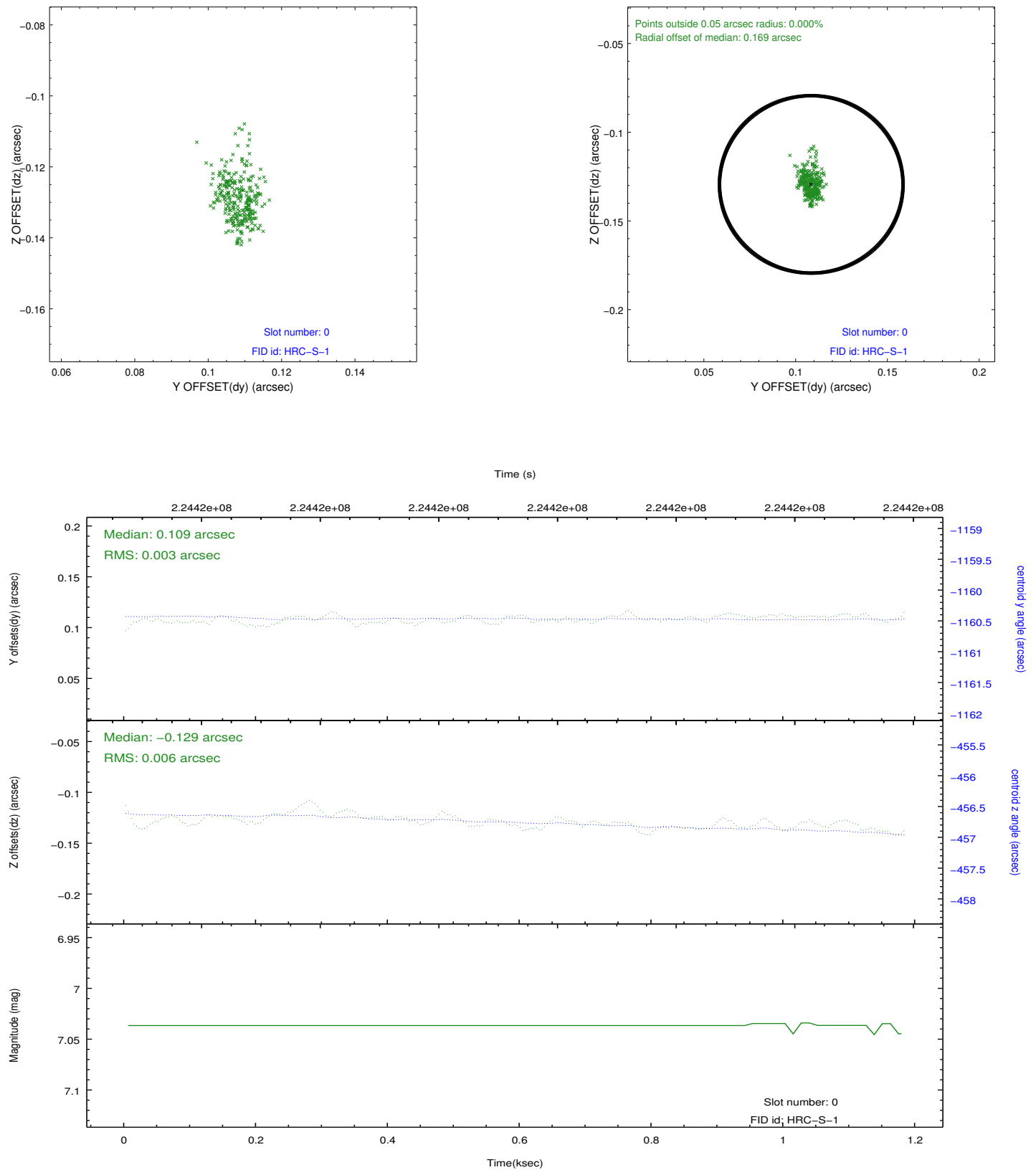


2.4.5 Slot 7

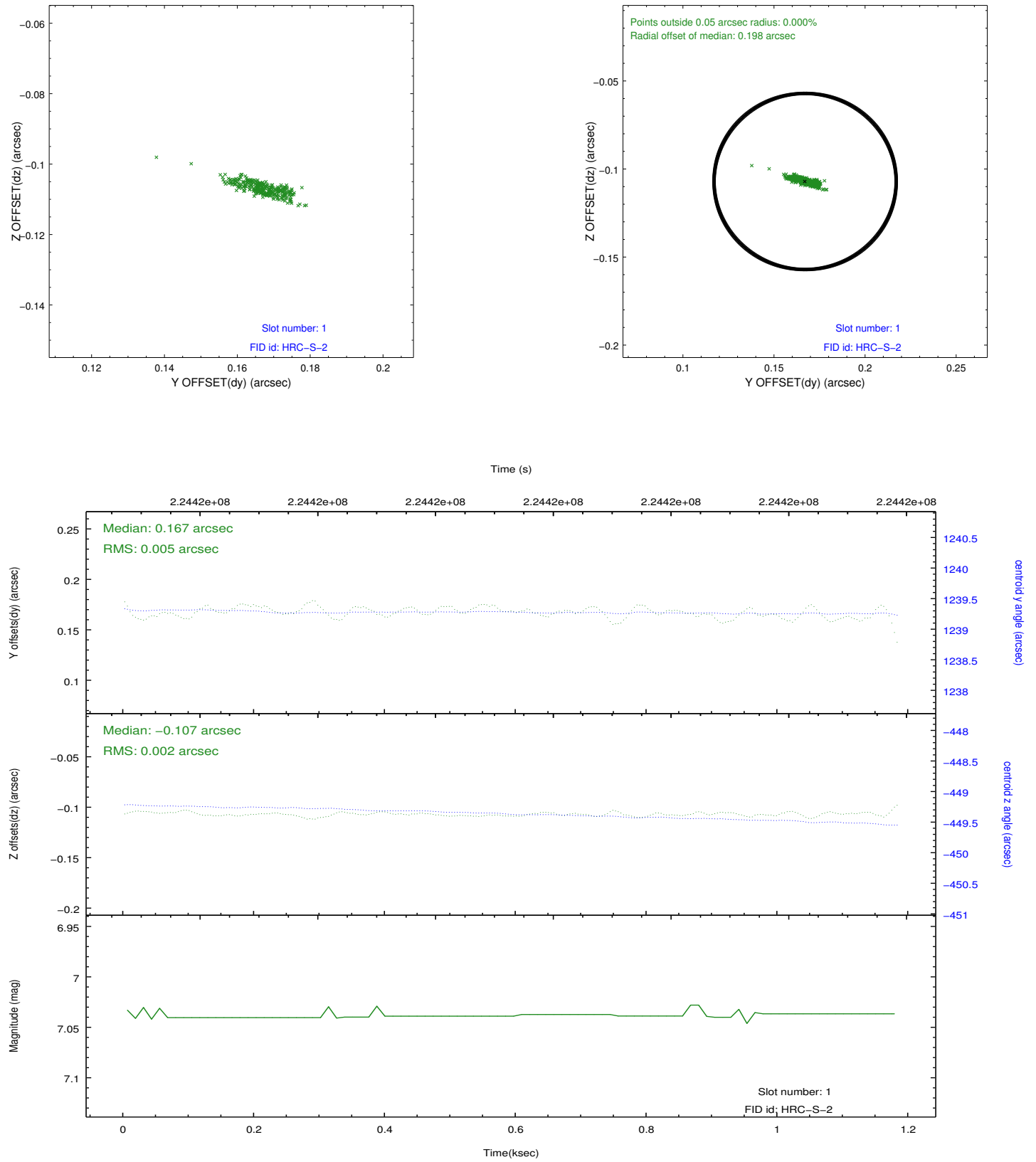


2.5 FID Slots

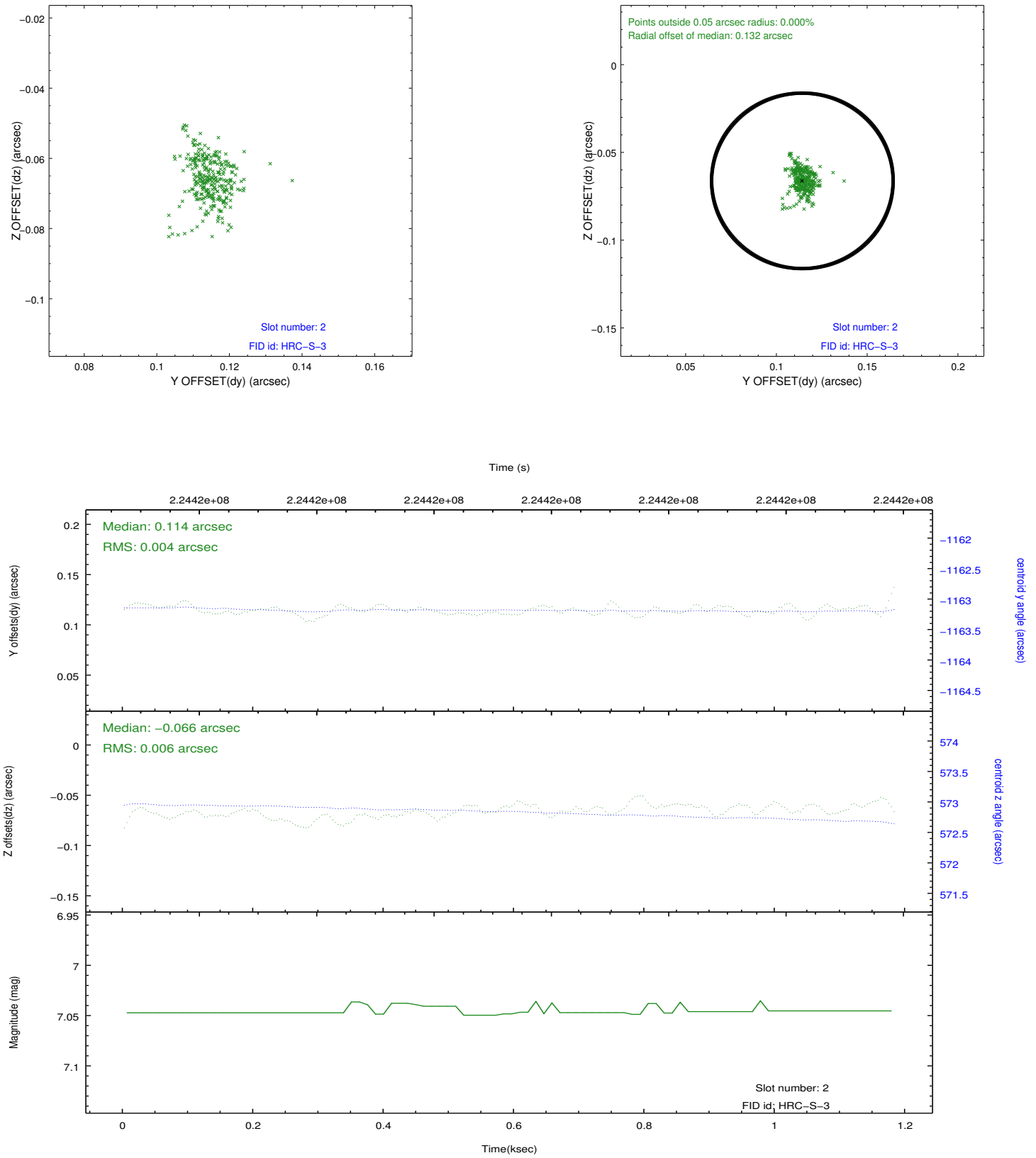
2.5.1 Slot 0



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)	2013.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.151331

A.2 Comments