

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2161 - L2 Version 3  
Chandra X-Ray Center

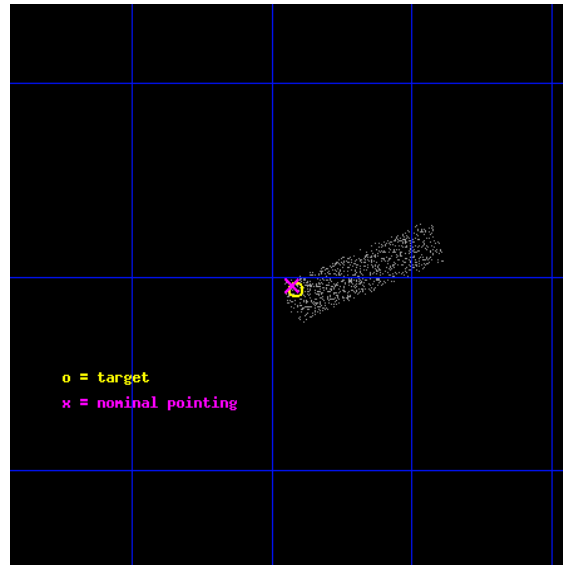
L2 Processing Date : Sep 2 2012

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# 1 Front

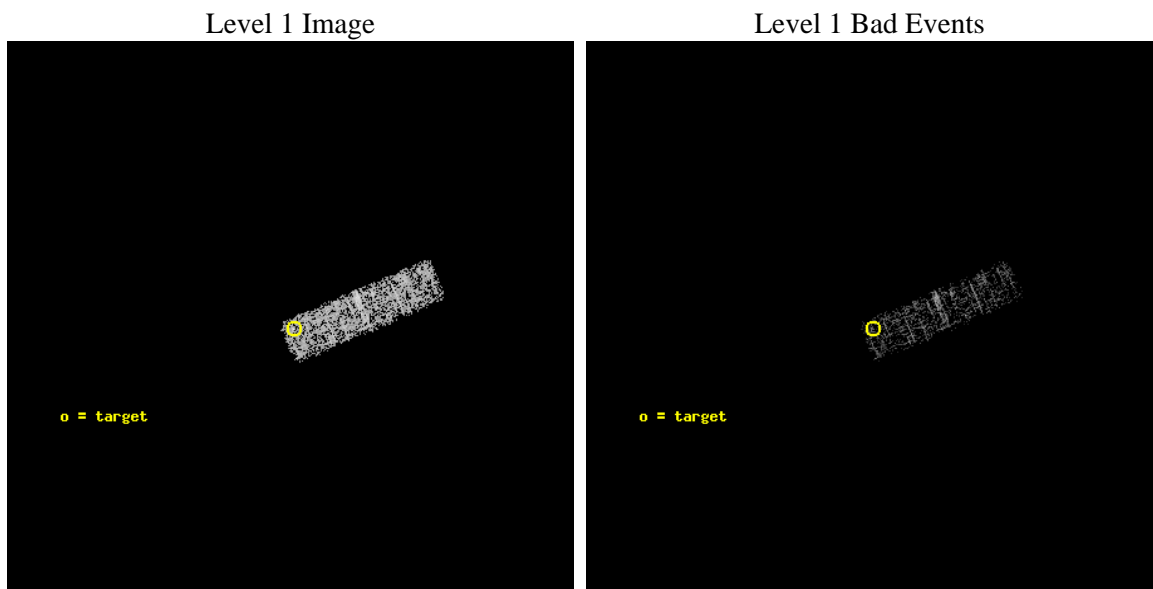
seq_num	700351	Sequence number
obs_id	2161	Observation id
title	RED QUASARS AND THE X-RAY BACKGROUND	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASSJ102724+1219	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	156.85375	Observer's specified target RA [deg]
dec_targ	12.322333	Observer's specified target Dec [deg]
ra_nom	156.85731370499	Nominal RA [deg]
dec_nom	12.325890420422	Nominal Dec [deg]
roll_nom	67.008943604908	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3415.9999872893	Sum of GTIs [s]
livetime	3249.3103655373	Livetime [s]
ontime3	3415.9999872893	Sum of GTIs [s]
l2events	940	Number of level 2 events



## 2 OBI

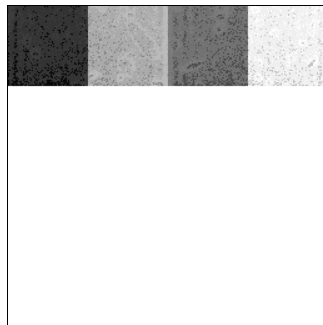
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 3



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3415.9999872893	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime3	3415.9999872893	Sum of GTIs [s]
date	2012-09-02T09:47:53	Date and time of file creation	l1events	9033	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 3</b>
level 1 events	9033
rejected events	7925
rejected %	87%

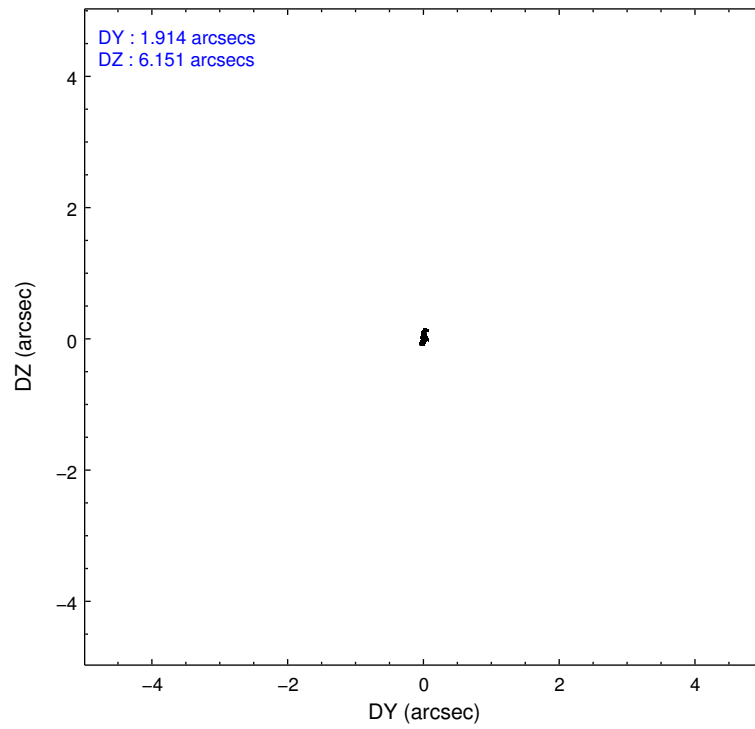
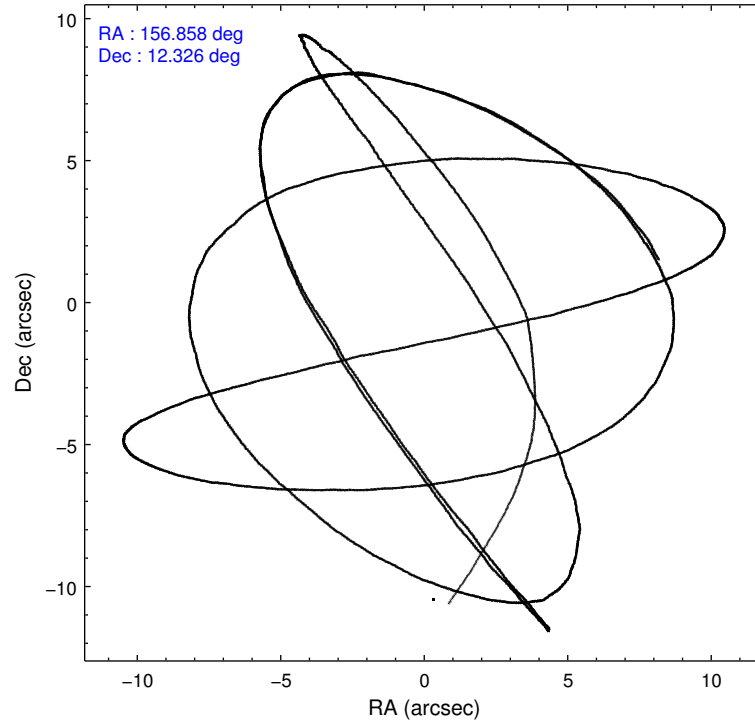
	<b>ccd 3</b>
grade 0 events	601
	6%
grade 1 events	3
	0%
grade 2 events	209
	2%
grade 3 events	139
	1%
grade 4 events	147
	1%
grade 5 events	236
	2%
grade 6 events	141
	1%
grade 7 events	7557
	83%

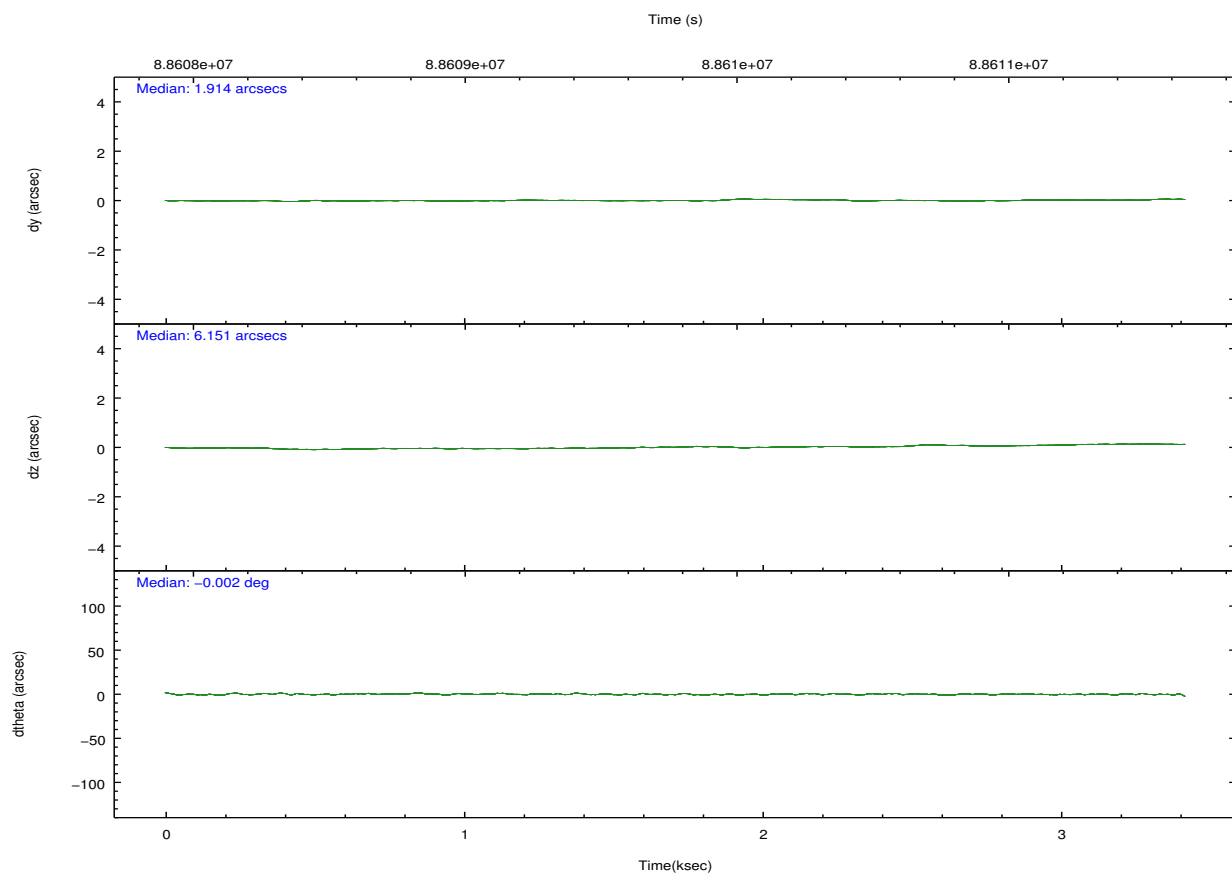
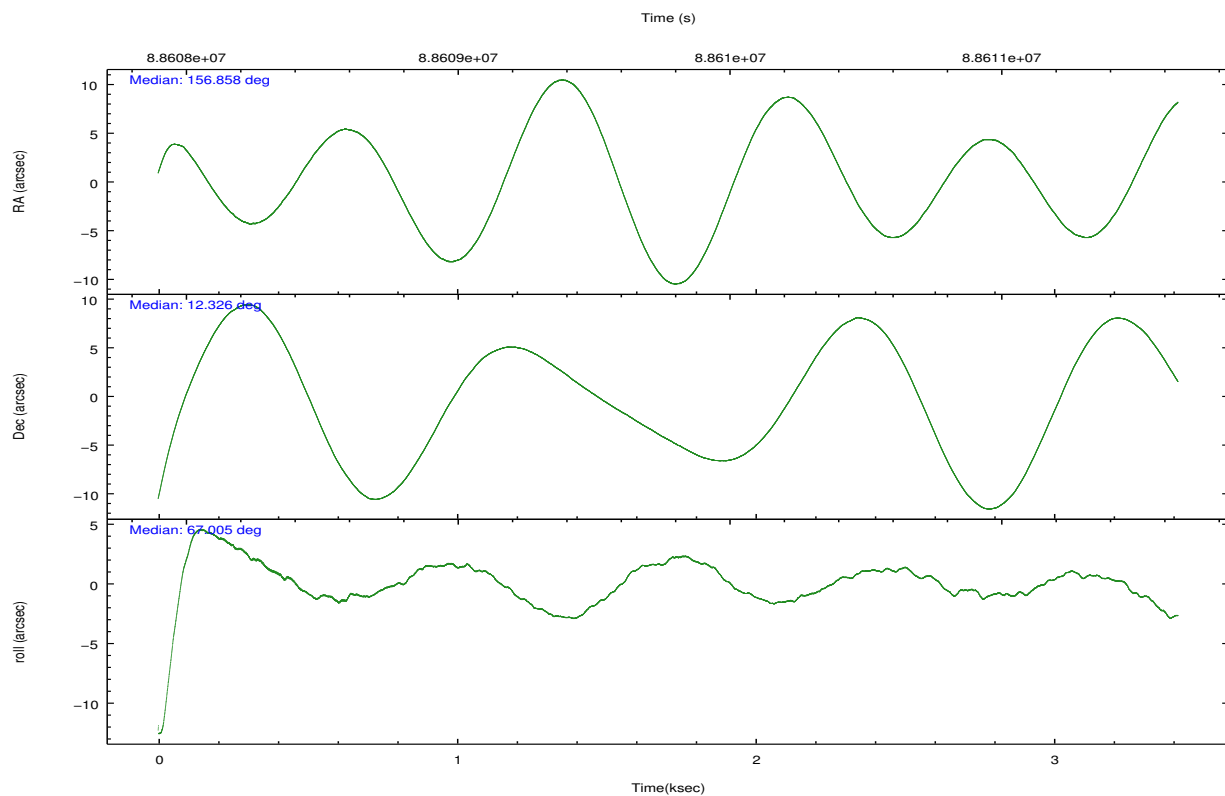


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	156.860700	156.8573137049933	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	12.298389	12.32589042042203	Subarray start row	769	769
[deg] Pointing Roll	66.799604	67.00894360490831	Subarray row count	256	256
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	88608578.184000	88607454.906893			
Observation start date	2000-10-22T13:28:34	2000-10-22T13:10:54			
[s] Observation end time (MET)	88611478.184000	88612113.01956899			
Observation end date	2000-10-22T14:16:54	2000-10-22T14:28:33			
Read mode	TIMED	TIMED			

## 2.3 Aspect



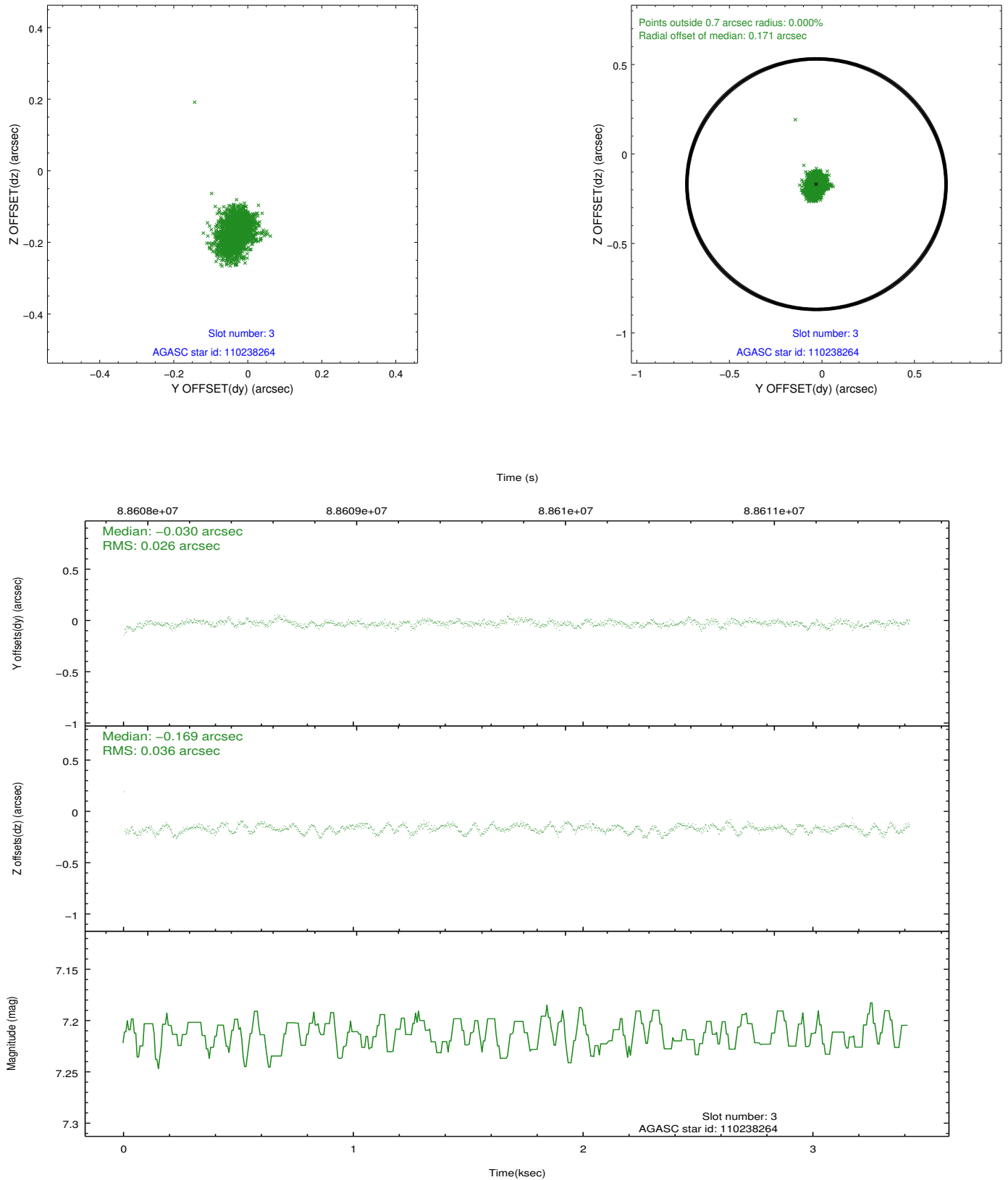


### Slot Statistics

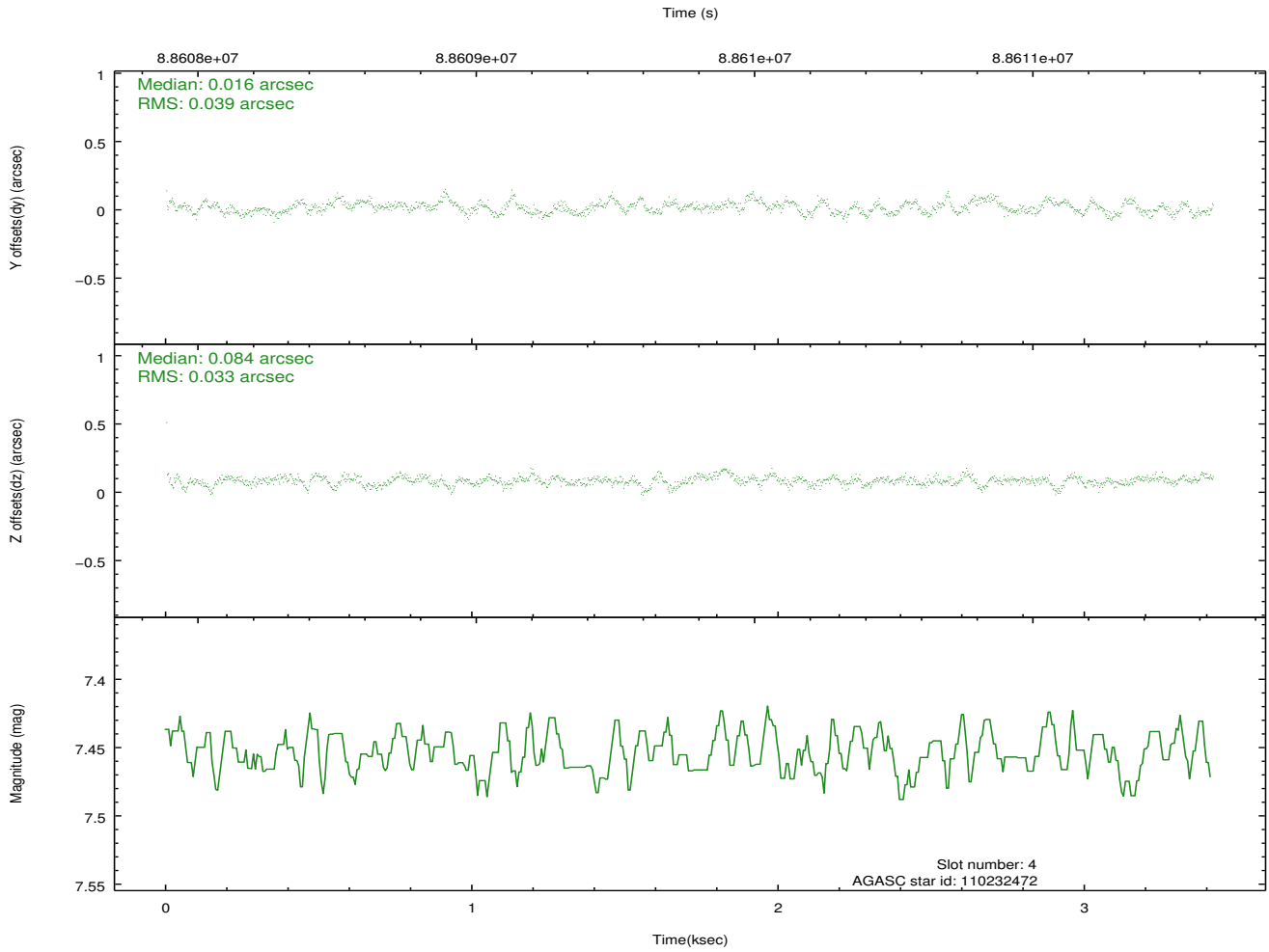
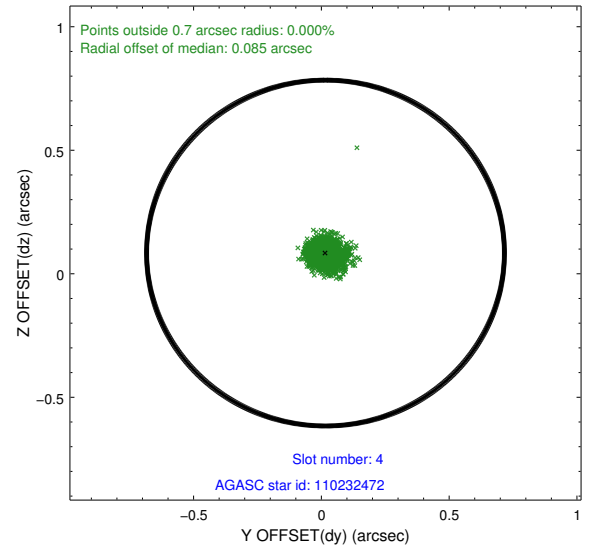
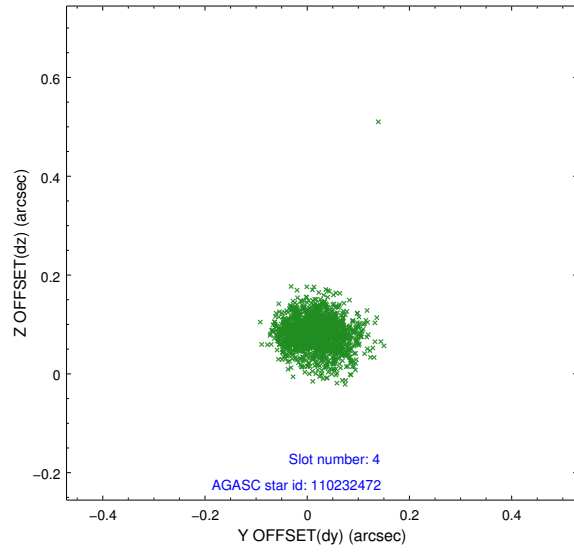
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	834	-0.044	-0.066	0.008	0.015	0.000000	0.000000	-756.31	-835.96
1	FID	ACIS-I-4	7.18	834	-0.024	0.050	0.006	0.010	0.000000	0.000000	2156.93	1069.40
2	FID	ACIS-I-5	7.23	834	-0.033	0.085	0.009	0.016	0.000000	0.000000	-1807.74	1069.39
3	GUIDE	110238264	7.21	1668	-0.030	-0.169	0.047	0.075	156.820348	12.445060	428.27	338.44
4	GUIDE	110232472	7.45	1668	0.016	0.084	0.054	0.086	157.356765	12.186985	319.78	-1761.24
5	GUIDE	110242312	7.66	1668	0.101	0.115	0.057	0.087	157.119117	11.490024	-2315.98	-1985.22
6	GUIDE	110235120	7.91	1668	-0.022	-0.137	0.052	0.085	156.664235	12.488642	355.13	903.51
7	GUIDE	110635816	9.55	1665	-0.069	0.108	0.085	0.133	157.314866	12.597425	1618.43	-1041.04

## 2.4 Star Slots

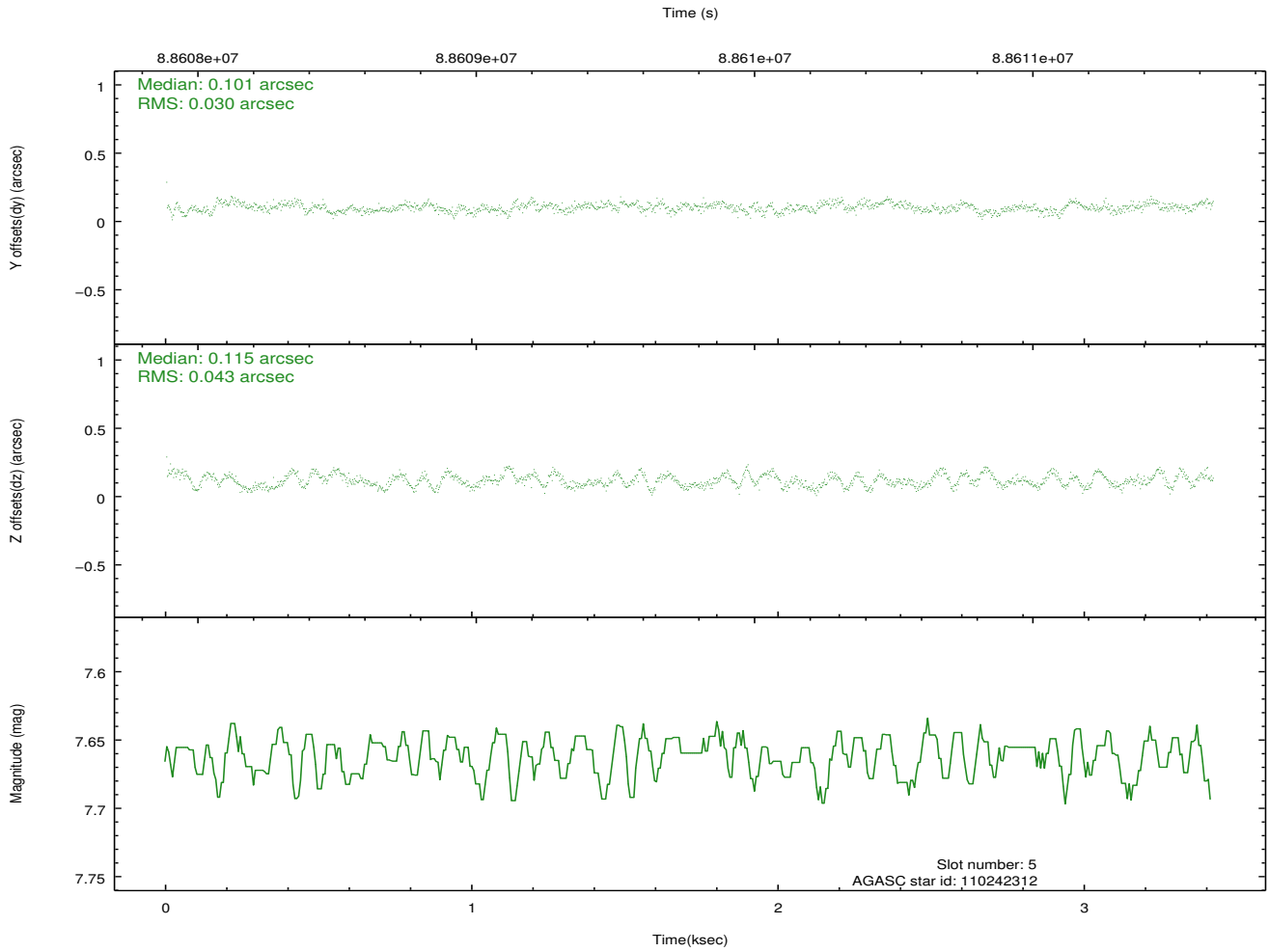
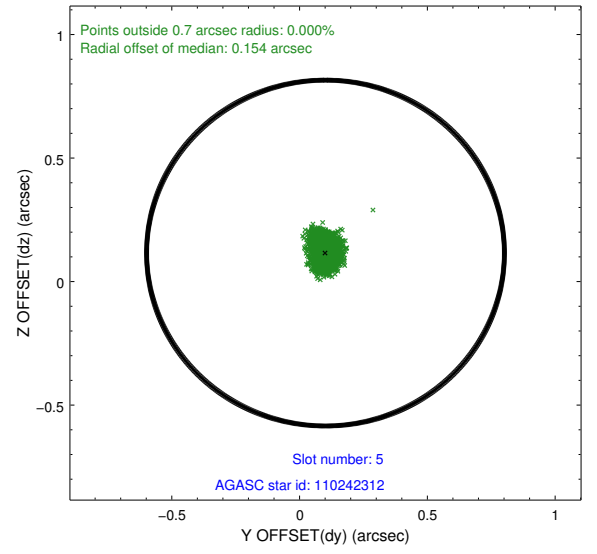
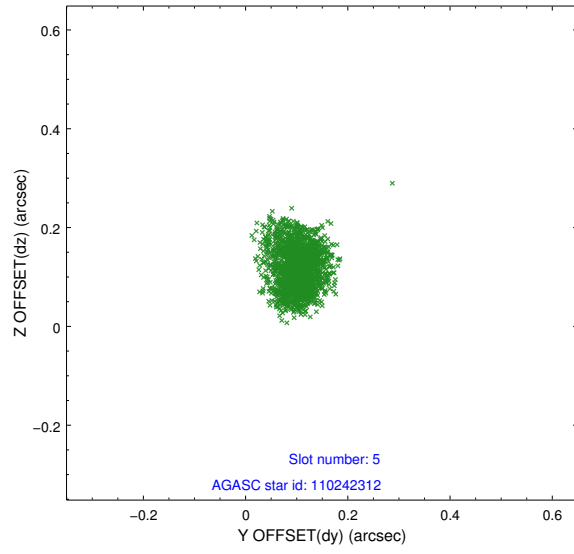
### 2.4.1 Slot 3



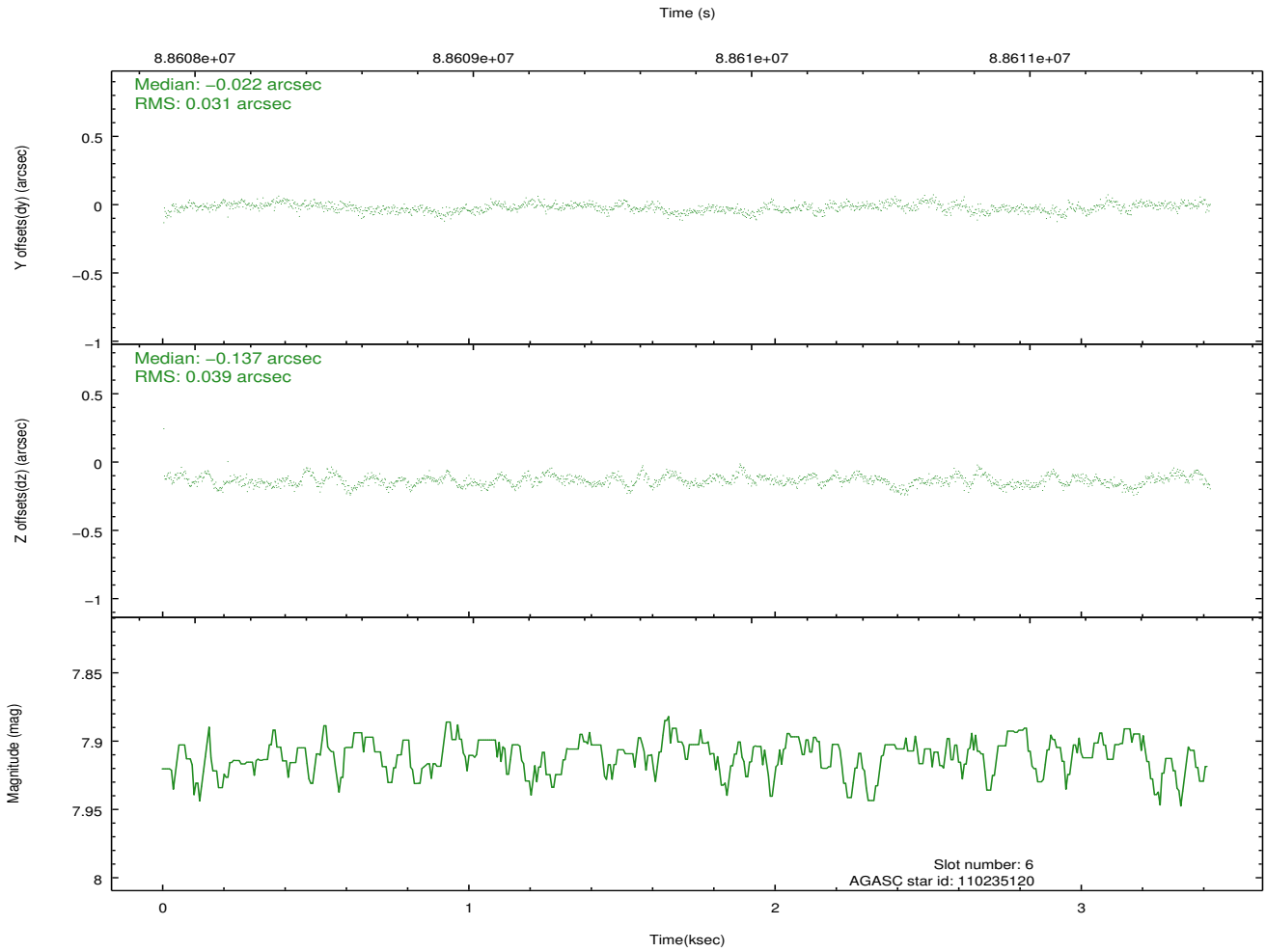
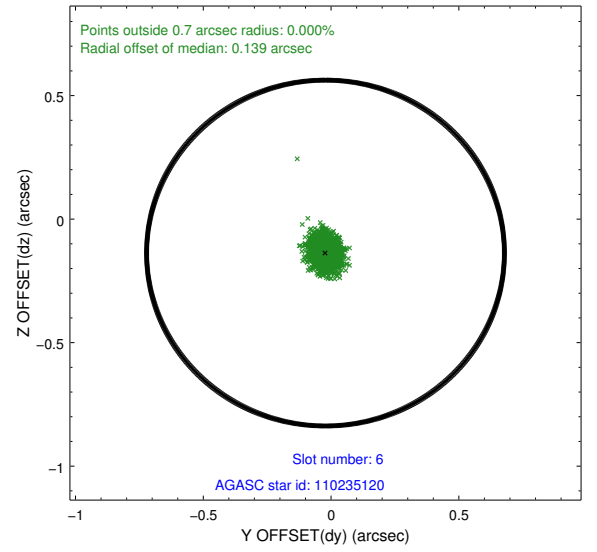
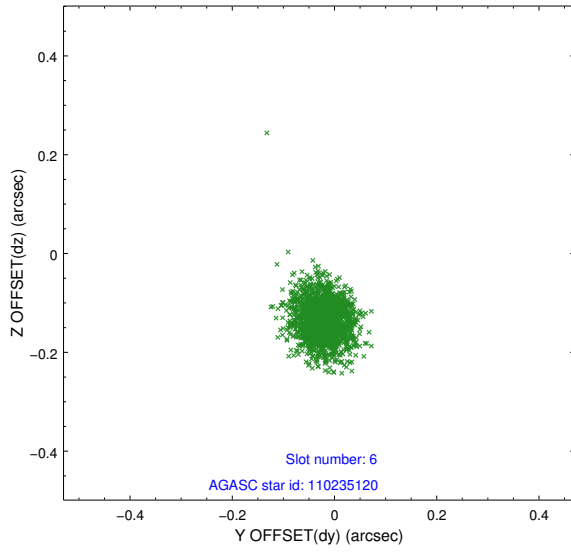
## 2.4.2 Slot 4



### 2.4.3 Slot 5

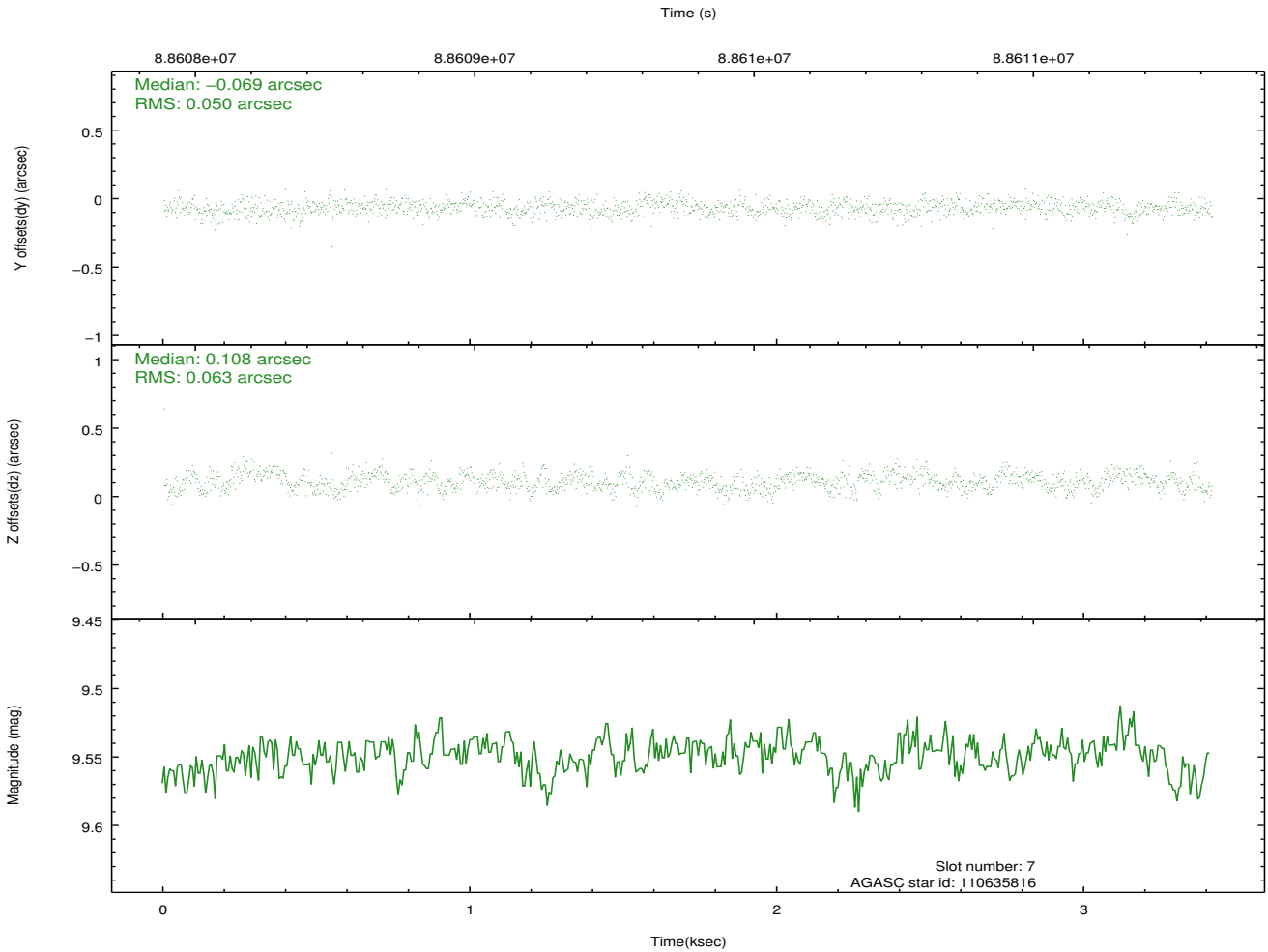
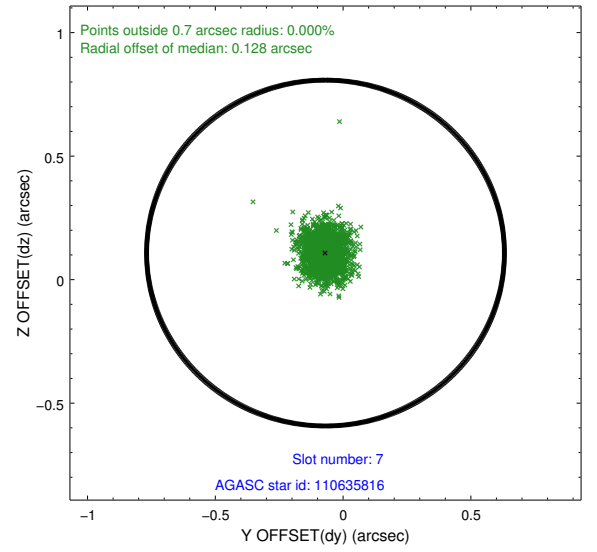
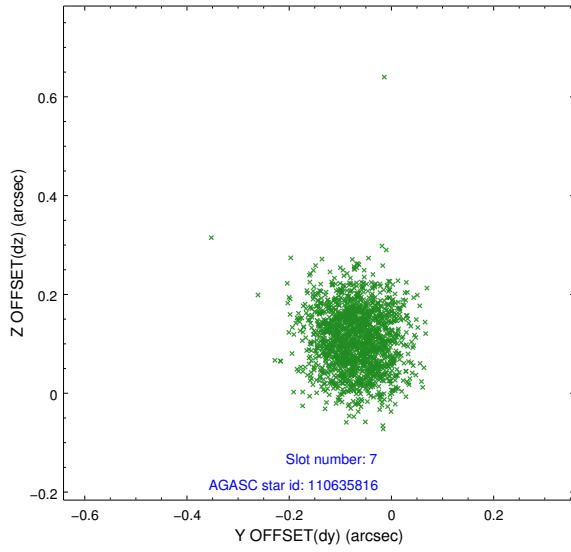


## 2.4.4 Slot 6



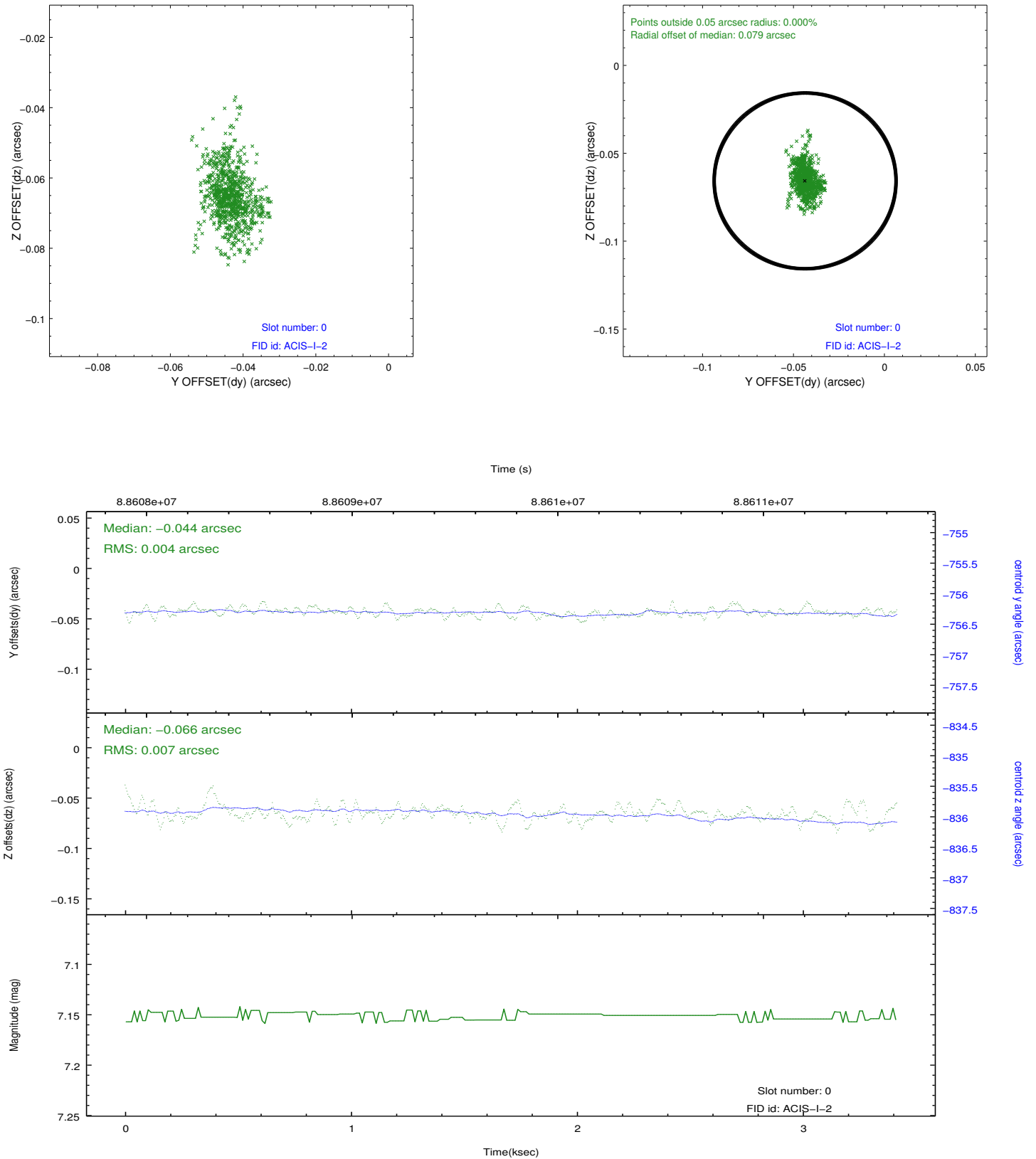


## 2.4.5 Slot 7

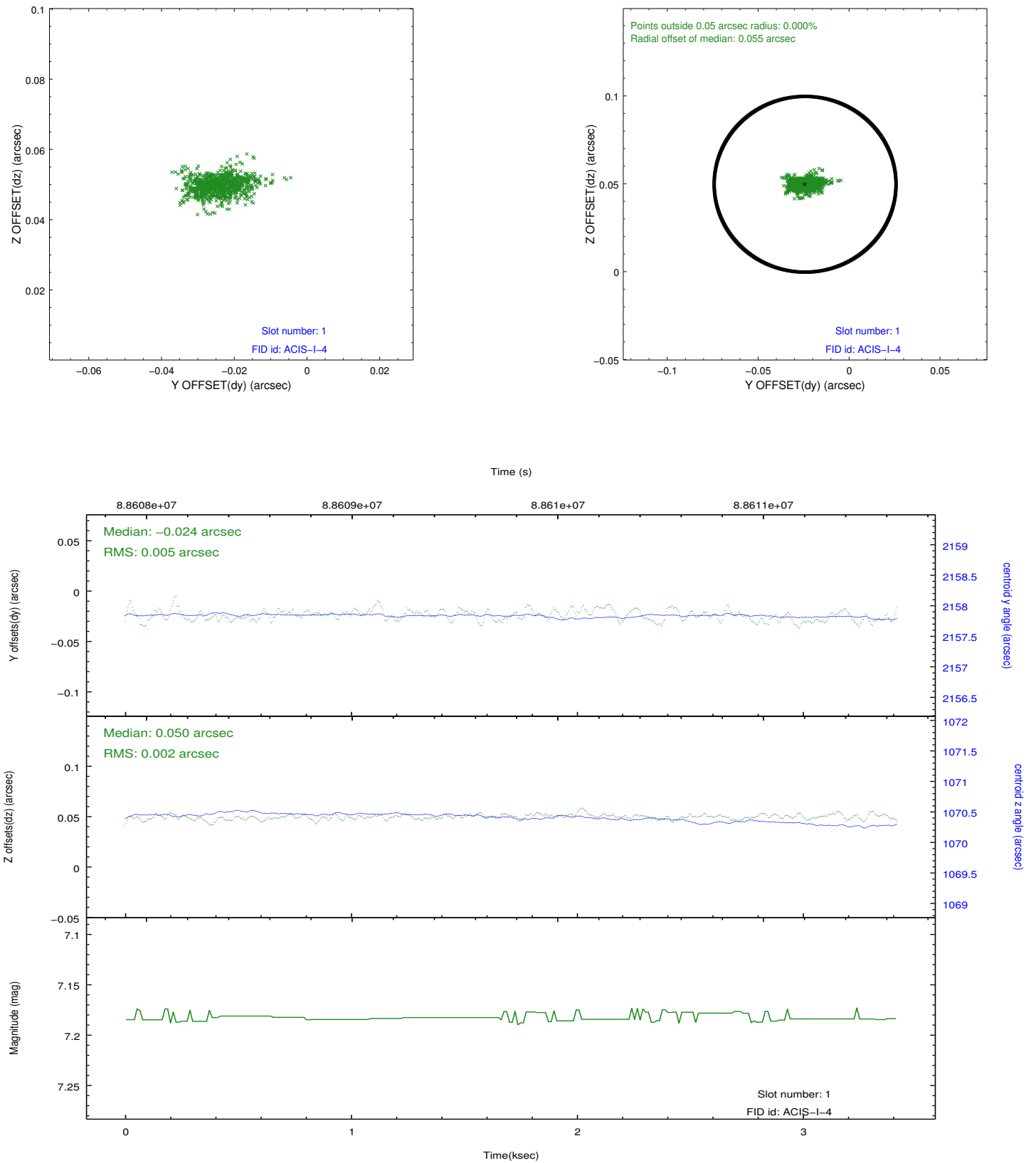


## 2.5 FID Slots

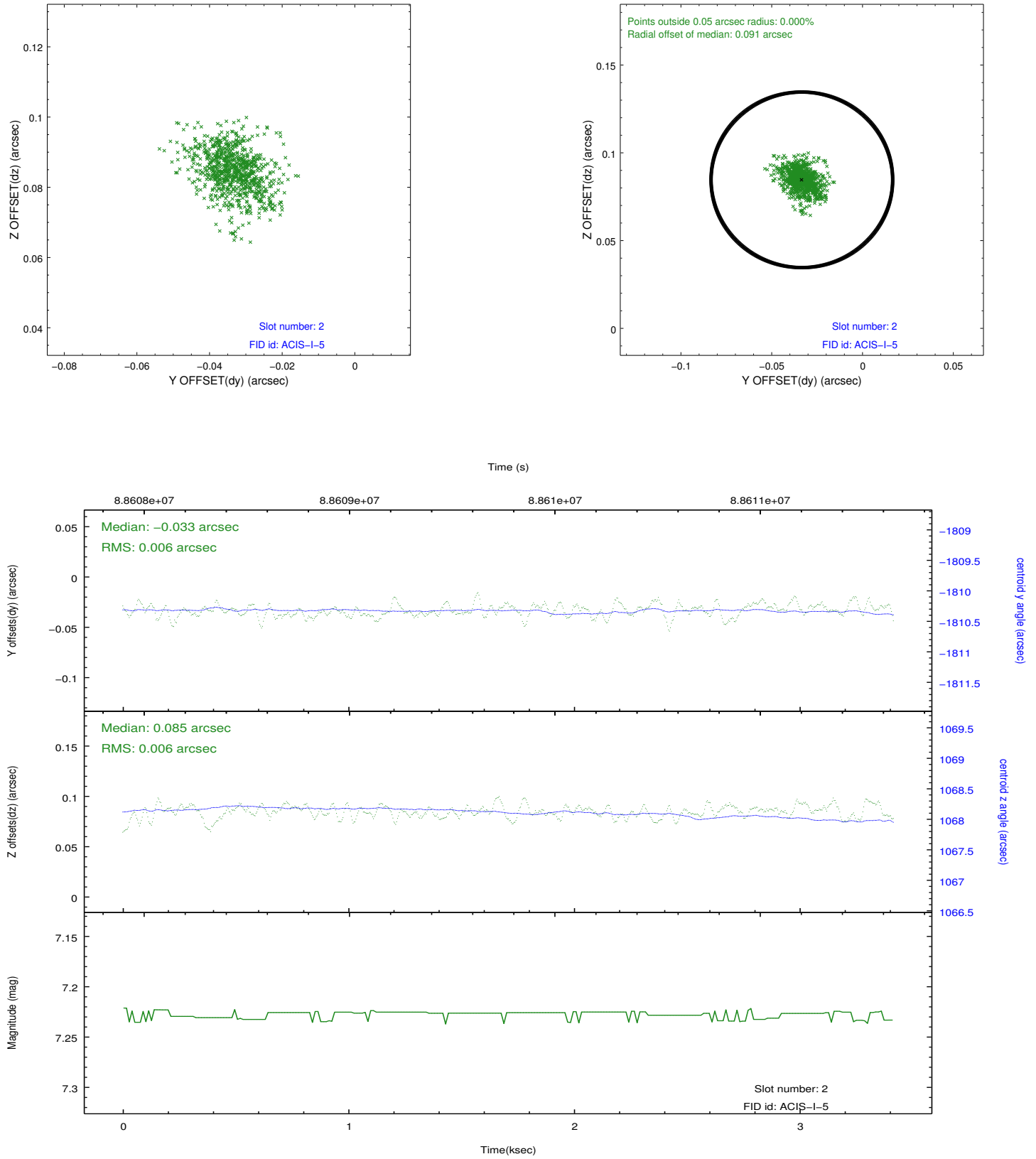
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.416

### A.2 Comments