



MEMORANDUM

TO: QSO Team

FROM: Pierre Martin

DATE: January 3, 2001

SUBJECT: QSO Night Reports

QSO-013/v1.0/DRAFT/

1. Context

An important element in the QSO operational scheme is to inform the successful applicants of the progress of their queue program. During a QSO run, it is essential to summarize and advertise what observations were done and what were the conditions for any given night. This also ensure that the QSO Team, in particular the service observer, would not be contacted all the time by investigators wanting to know the status of their program. Hence, Web **night reports** must be made available for 2001A.

2. General Specifications

The night reports should be developed around these general specifications:

- The report must be generated automatically from the content of the database. At the latest, the report should be on the Web at 8am (HST) each morning following observing night.
- The report must include information about the observations performed for a given program as well as the conditions under which their were undertaken.
- A summary of the weather conditions and the time spent must be included.
- The night reports must be available for everybody but the precise description of the observations performed for a given program cannot be understood except by the investigators of that program.
- The reports must be found for a given semester, QrunID and night. They must be kept and be available on the Web.
- The comments from the service observer and the QSO coordinator, entered through the electronic logbook for each individual exposure (if necessary), must be included.
- As much as possible, a summary of each individual program should be made available as well.

3. Design

1. First Page

In the section "Night Reports" of the QSO page, the selection of the **semester** must be presented, ideally as below, and this link opens the relevant page:

Semester 2001A	Semester 2001B	Semester 2002A	Semester 2002B
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2. Second Page

This page presents the night reports for all the QSO runs in the semester. The most recent run and night are always found first. Here's example of what this page could look like:

Semester 2001A Night Reports

QSO Run: 01A03 (04/11/2001 – 04/16/2001)

Last Night Report: 04/14/2001
[Night and Weather Conditions](#)

RUNID	OG	IQ REQ.	SB REQ.	IQ EVAL.	SB EVAL.	QSO TEAM COMMENTS
01AF23	OG20	<0.80	D	0.76	D	Satellite Trace
01AF23	OG21	<0.80	D	0.78	D	
01AF23	OG33	<0.80	D	0.70	D	
01AC02	OG10	<0.65	D	0.63	D	Bright Halo due to stars
01AH05	OG05	<0.65	D	0.60	D	
01AH05	OG02	<0.65	D	0.59	D	
01AH05	OG09	<0.65	D	0.61	D	

QSO Run: 01A02 (03/25/2001 – 04/03/2001)

03/25/2001	03/26/2001	03/27/2001	03/28/2001	03/29/2001
03/30/2001	03/31/2001	04/01/2001	04/02/2001	04/03/2001

QSO Run: 01A01 (02/03/2001 – 02/05/2001)

02/03/2001	02/04/2001	02/05/2001
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Parameter	Description
Night and Weather Conditions	Open the third page...
RunID	RunID identifying the program observed
OG	Label of the observation group observed
IQ Req	IQ requested
SB Req	Sky brightness requested
IQ Eval	IQ measured (ELog)
SB Eval	SB measured (Elog)
QSO Team Comments	QSO Team Comments on this observation (Elog)

3. Third Page

This page describes the conditions of the night. It would be better if it was integrated to the second page....

Night: 04/14/2001						
Usable Hours	Time Lost (Weather)	Time Lost (Technical)	IQ _{Min}	IQ _{Max}	Weather Conditions	Programs
9.2	0.0	0.2	0.62	0.84	Photometric, no Moon	01AF23;01AC02; 01AH05

[Elixir Night Graphs](#)

Parameter	Description
Usable Hours	Hours between the astronomical twilights (see QS)
Time Lost (weather)	Time lost due to weather, as entered with the ELog.
Time Lost (Technical)	Time lost due to technical problems, as entered with the ELog.
IQ _{Min}	Smallest IQ value measured during that night (object type only)
IQ _{Max}	Largest IQ value measured that night (object type only)
Weather Conditions	Comments entered through the ELog
Programs	List of programs executed through the night.
Elixir Night Graphs	Open the graphs produced by Elixir for this night...

4. Fourth Page

This page is accessible through the different runID links in the Night Report table. It presents the status of a given program.

Program Status: 01AF23

OG	Date	IQ (Req/Eval)	Sky Bright. Eval.	Weather Conditions	Class	QSO Team Comments
OG20	04/14/2001	0.80/0.76	D	Photometric, no Moon	I	Satellite Trace
OG21	04/14/2001	0.80/0.78	D	Photometric, no Moon	I	
OG33	04/14/2001	0.80/0.70	D	Photometric, no Moon	I	
OG1	04/02/2001	0.80/0.83	D	Seeing average	II	IQ a bit high but ok
OG4	04/02/2001	0.65/0.62	D	Great seeing	I	

Program Completion Level: 25%

Parameter	Description
OG	Label of the OG executed for this given program
Date	Date of the observation
IQ (Req./Eval)	IQ Requested (upper limit); IQ measured
Sky Bright. Eval	Sky Brightness evaluation (D,G,B)
Weather Conditions	Comments entered through the ELog
Class	Quality Class entered through the Elog (I,II,III,IV)
QSO Team Comments	QSO Team Comments on this observation (Elog)
Program Completion Level	Completion Level of the program, as calculated in the Db.

04/11/2001	04/12/2001	04/13/2001
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