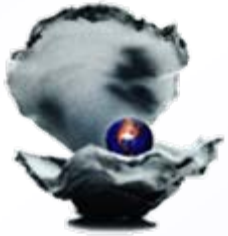


Report of the RNODC for Drifting Buoys

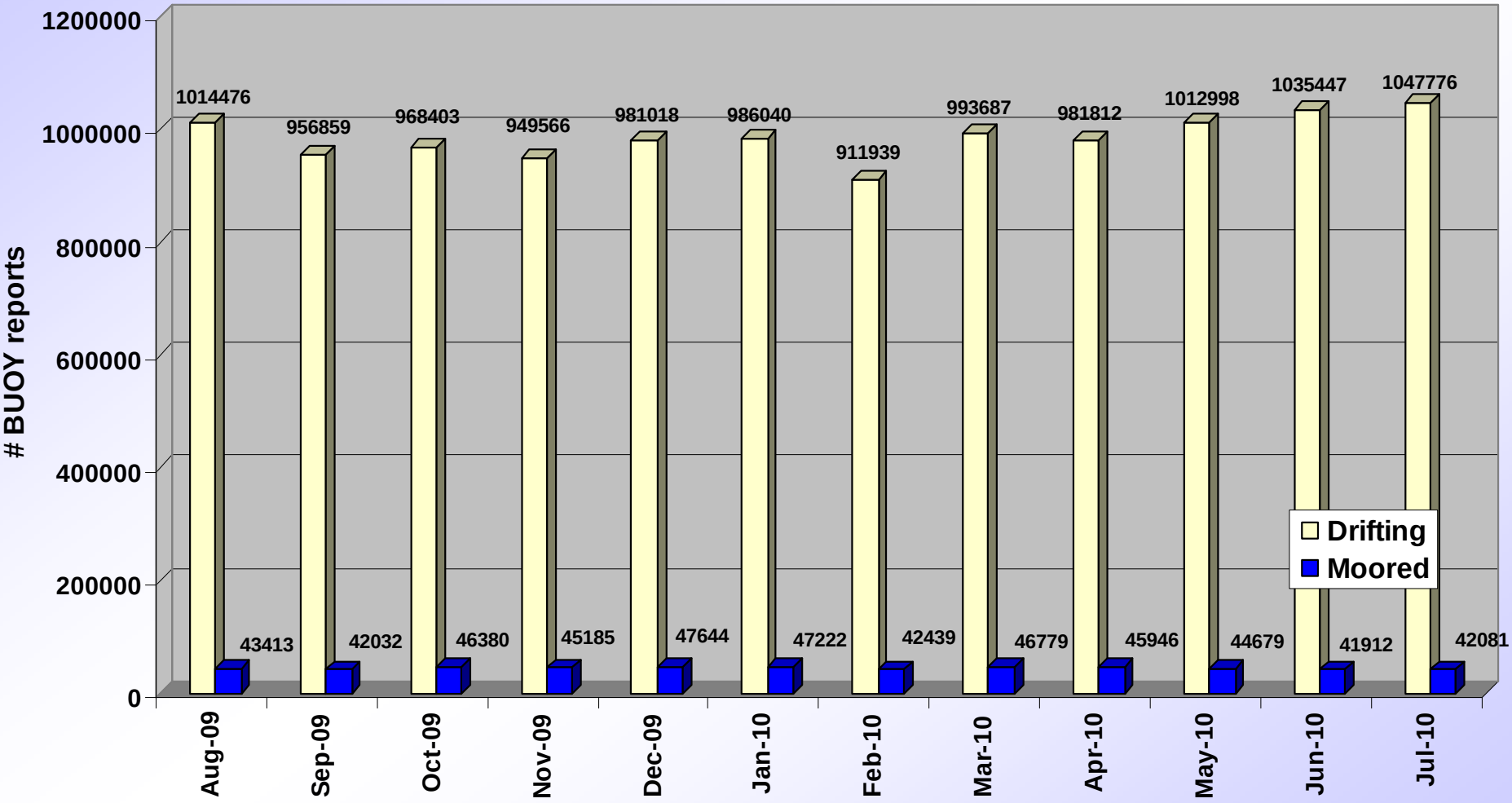
DBCP-XXVI
Oban, United Kingdom
26 – 30 September 2010

Integrated Science Data Management

Joe Linguanti
for Bruce Bradshaw

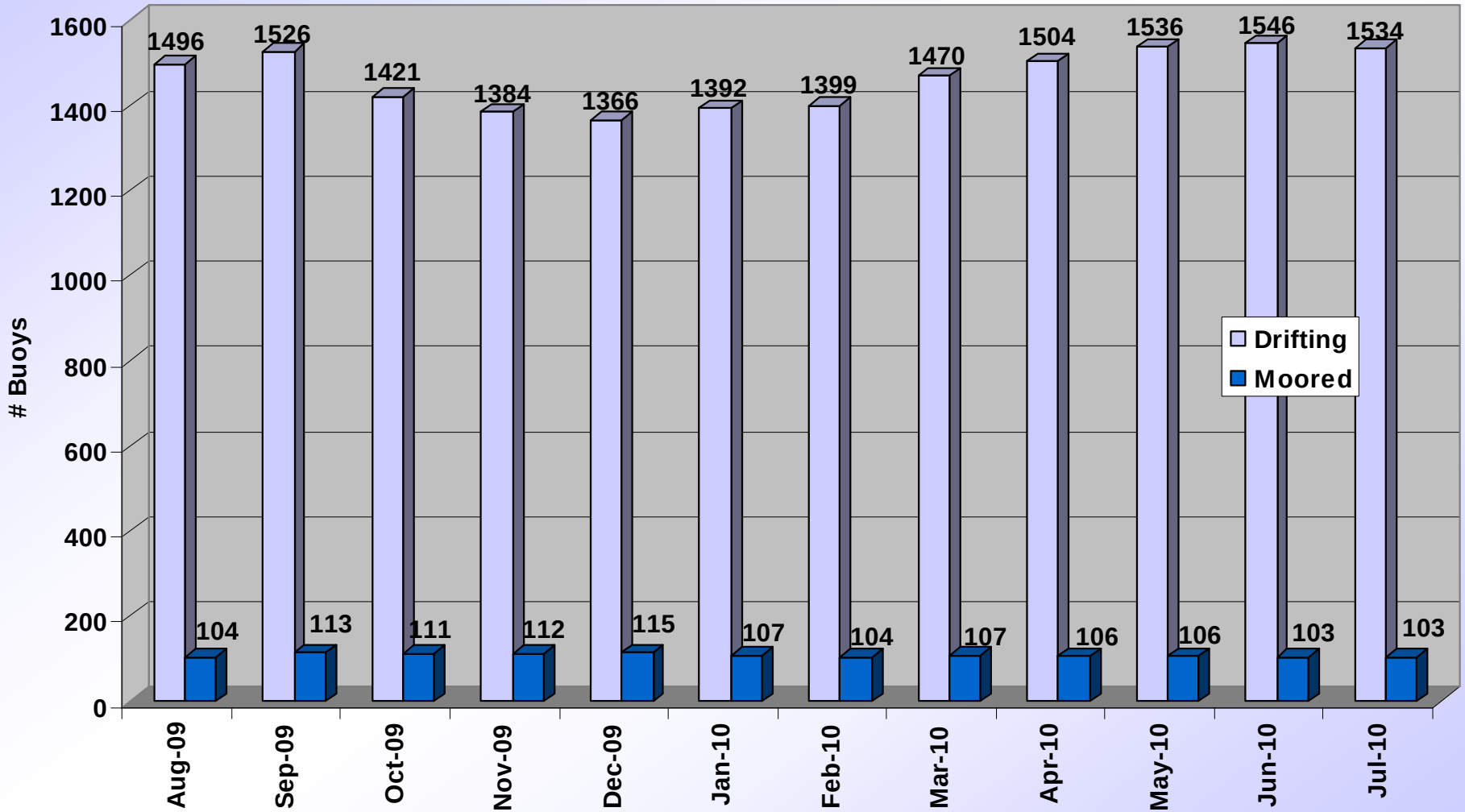
Drifting and Moored Buoy Reports

August 2009 to July 2010
12,375,733 Unique Buoy Messages Archived

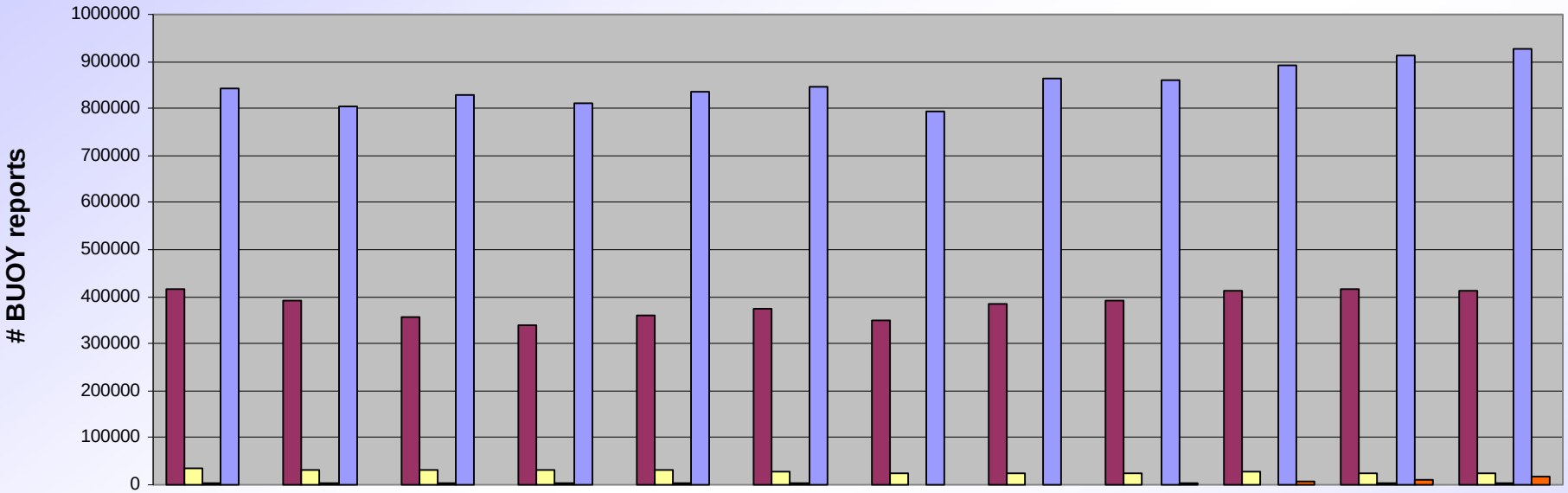


Numbers of Drifting and Moored Buoys

August 2009 to July 2010
2248 Unique Platform ID's Reported Data

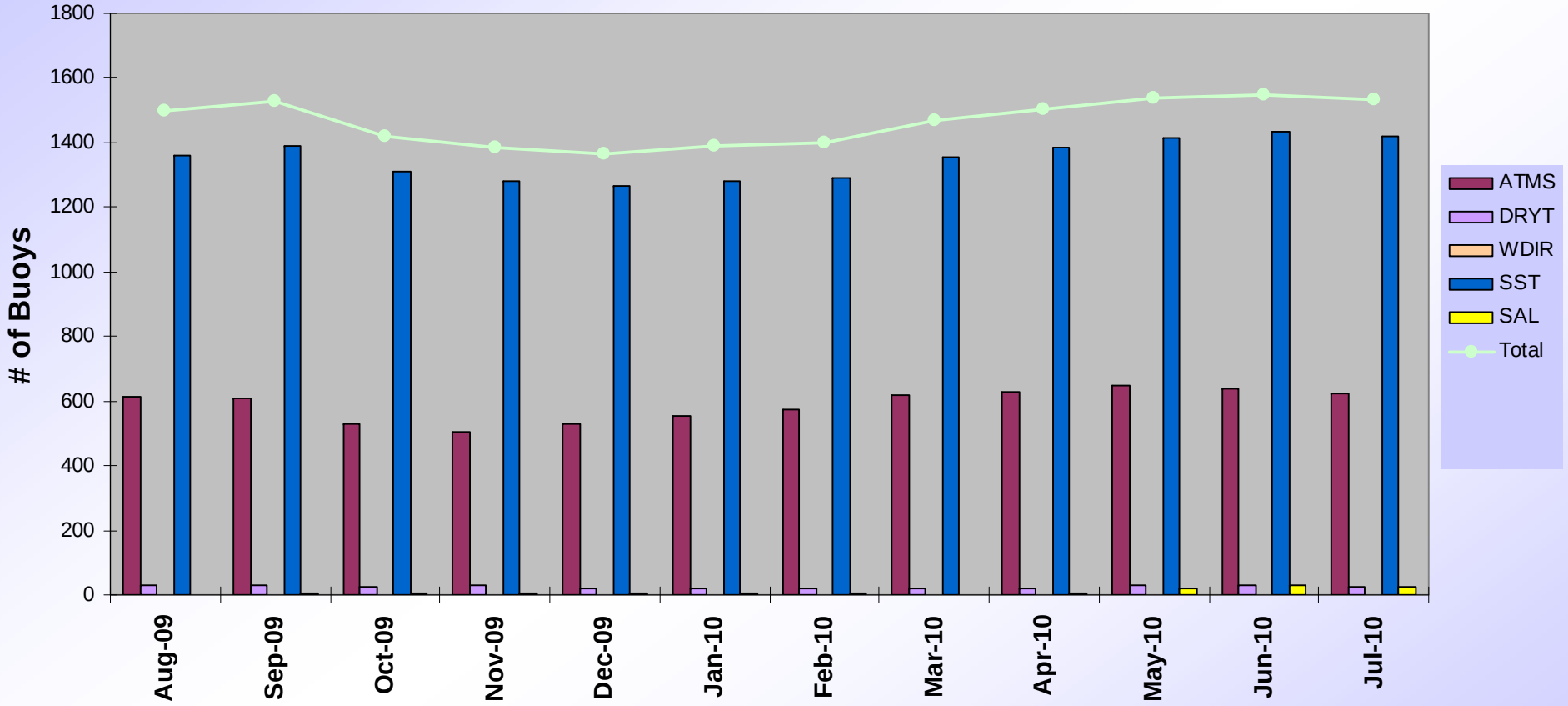


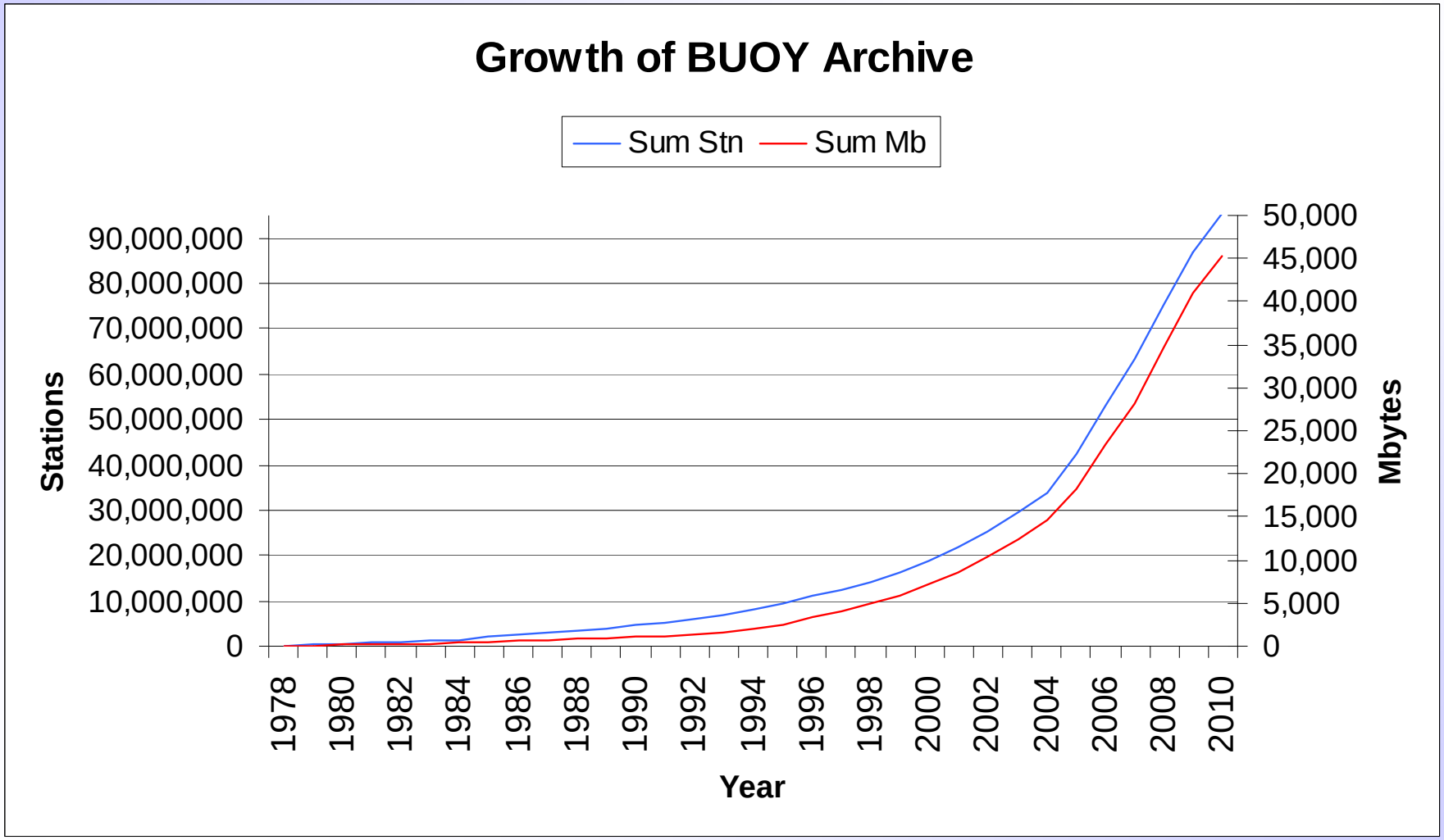
Buoy Reports with SST and Met Observations



	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10
Pressure	416856	390562	356566	337488	359509	373982	350712	385570	390386	411009	414750	413423
Air Temp	35659	32583	31153	32199	30253	28006	22794	25030	25388	27801	25534	23785
Wind	3903	3060	2494	2849	2615	2145	1511	1287	1150	1169	1956	1948
SST	844264	804085	827618	811166	837261	846794	792209	862500	859264	891536	911651	927845
Salinity	905	737	821	1291	1369	1335	1204	1325	2412	6359	12224	18384

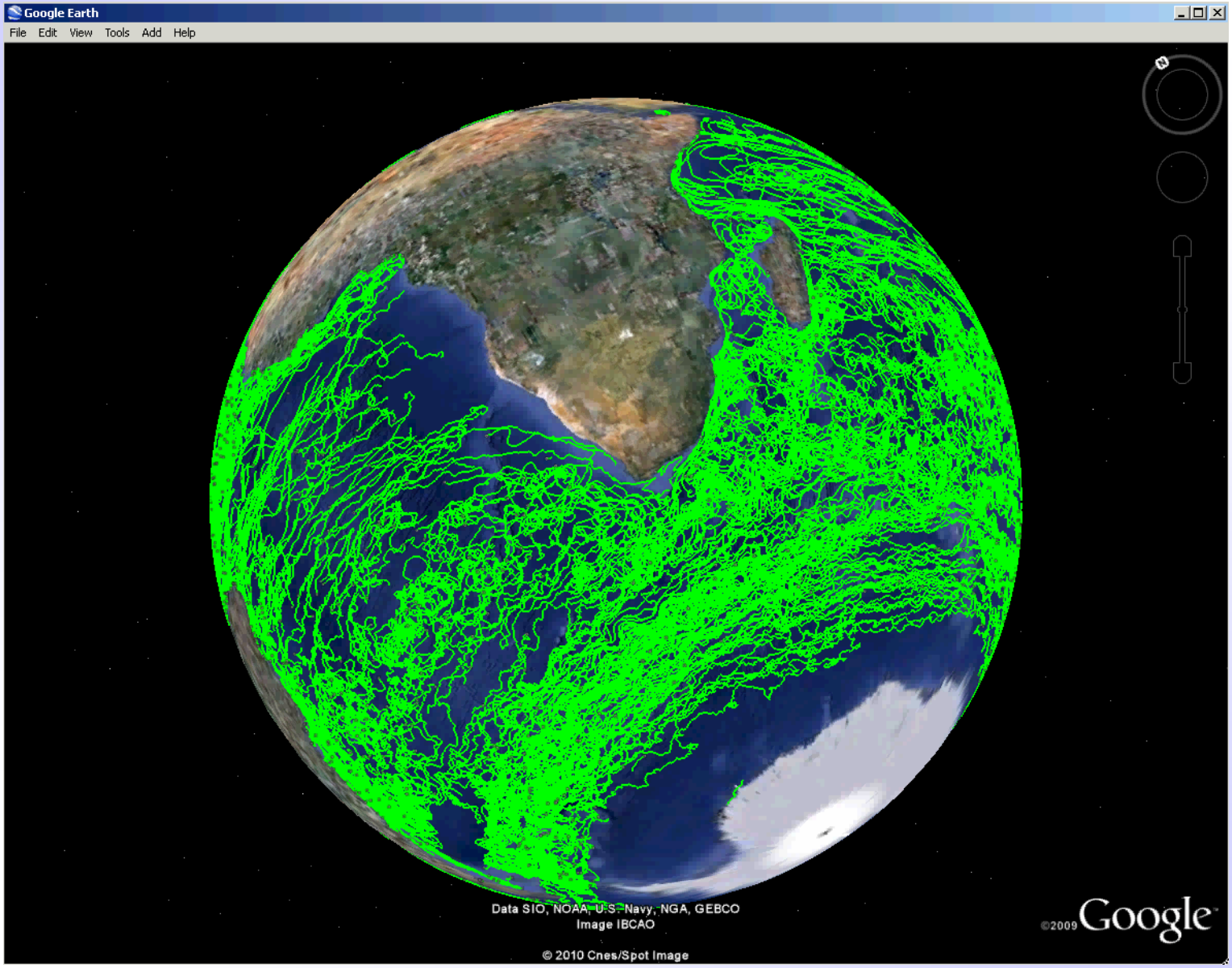
Buoys Reporting SST and Met Observations

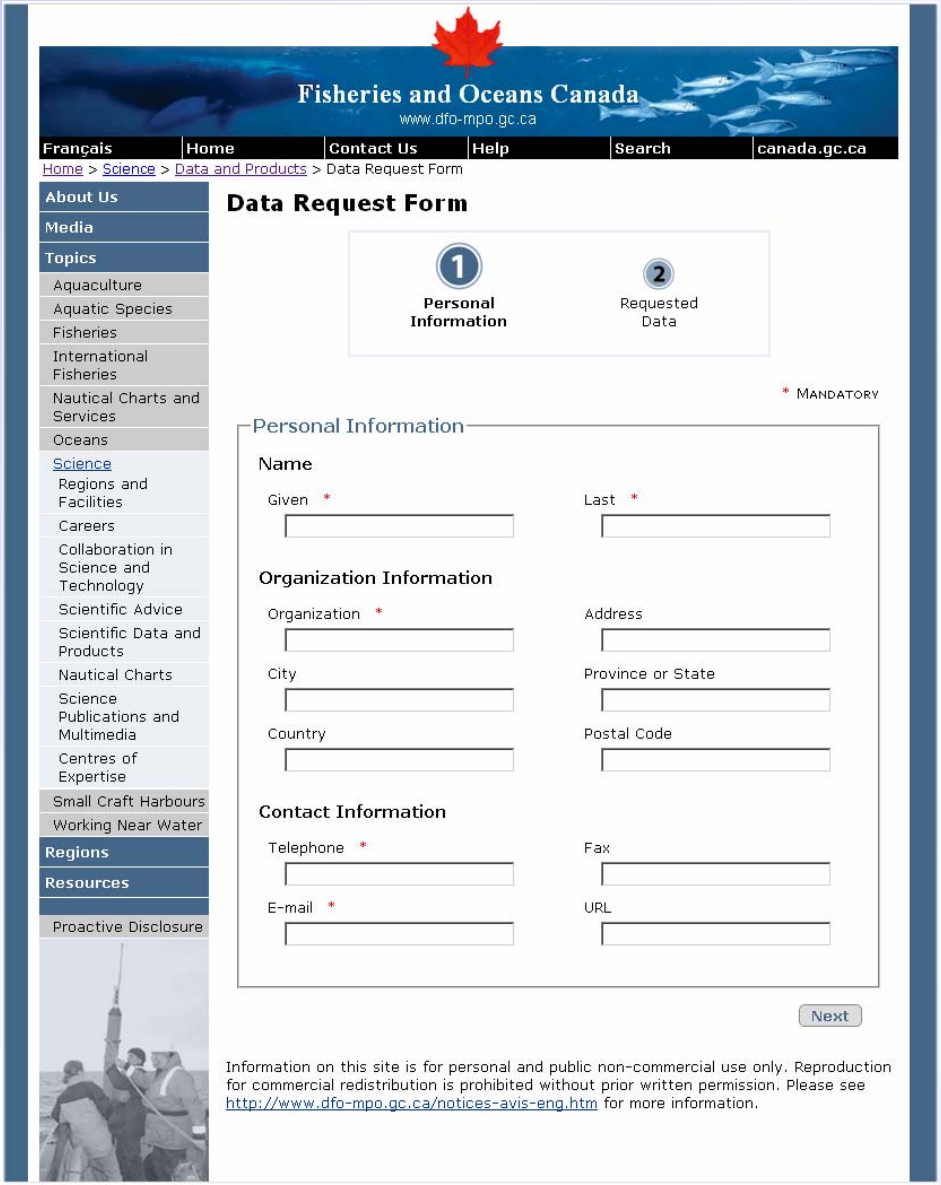



Growth of BUOY Archive
Sum Stn
Sum Mb
Stations
90,000,000
80,000,000
70,000,000
60,000,000
50,000,000
40,000,000
30,000,000
20,000,000
10,000,000
0
Mbytes
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1978
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
Year

Drifting Buoys Tracks

August 2009 to July 2010





- 57 data requests in the past 12 months
- Normal turn around time 3 days
- Requests by email, phone and online form
- New online products and services

http://isdm.gc.ca/isdm-gdsi/request-commande/form-eng.asp

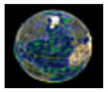
Monthly Buoy Data Now Available Online

http://isdm.gc.ca/isdm-gdsi/drib-bder/kml/monthlykml.htm

GTS Drifting Buoy Data Online

August 2010 GTS Buoy Data

The most recent month of Drifting Buoy data collected from the GTS and archived at ISDM is now available online for graphical viewing and dowload in ASCII CSV format.



August 2010 Google Earth file after position QC (1mb)
August 2010 Google Earth file before position QC (1mb)

August 2010 buoy inventory (.4mb)

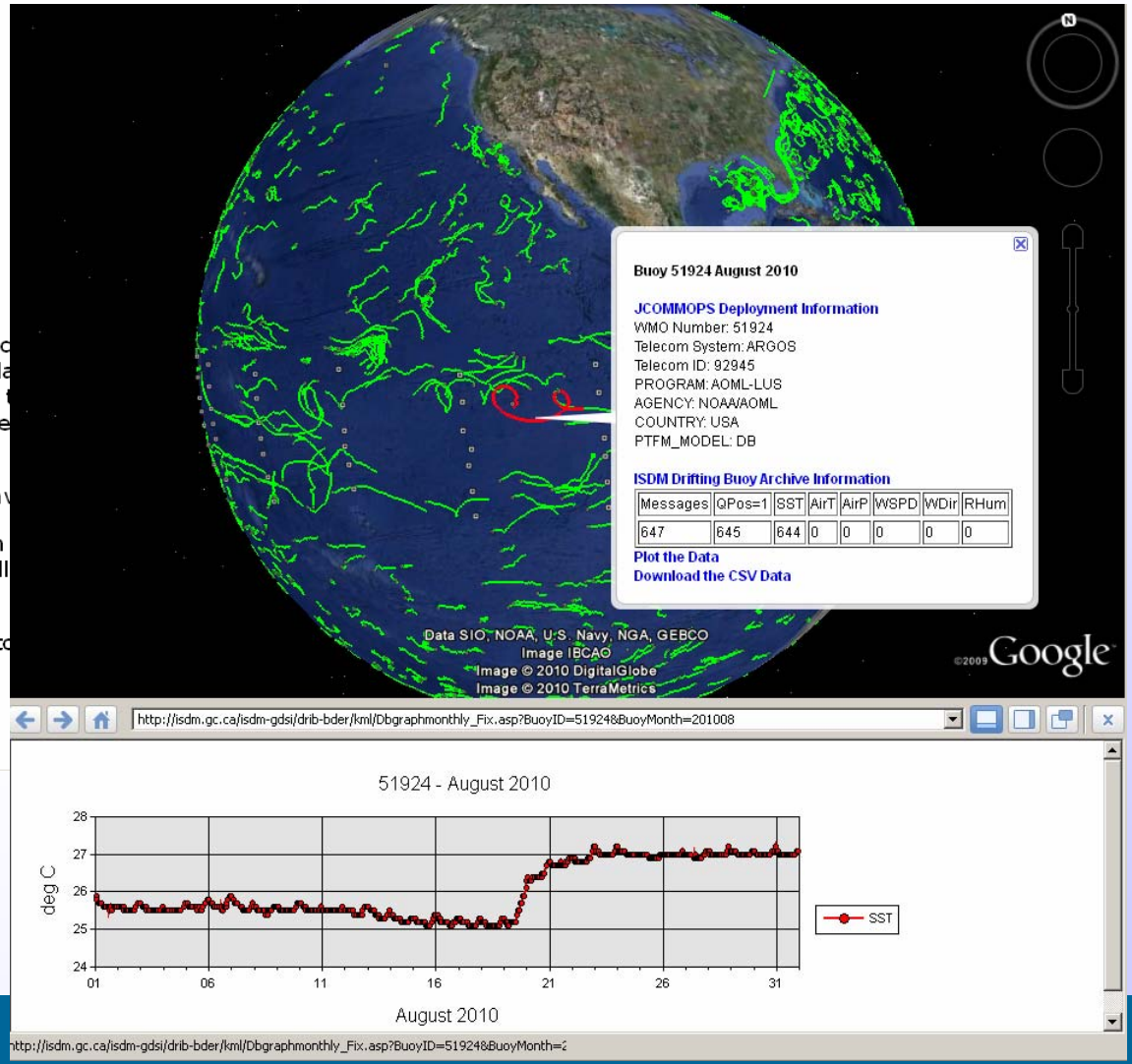
Access to the CSV data through FTP

After ISDM completes the monthly drifting buoy quality control proc
file is prepared that shows buoy drift tracks for the previous calenda
provides some operational programme level meta-data with a link t
visual online displays of selected parameters archived at ISDM. The
will normally be ready by the second week of the month.

Alternatively the same data is available from our traditional text inv

The data ISDM makes available online through this new application
format with the same parameters as our traditional CSV format. All
is available by request going back to 1978.

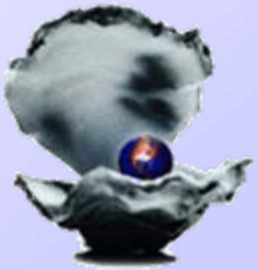
Please direct any questions, problems, suggestions, or comments to



- Monthly comparisons of GTS data received in BUOY Code and BUFR formats is encouraging. Hester is coordinating with the data centers to resolve inconsistencies. ISDM continues to use messages circulating in buoy code as our primary data source for archival at this time. Both data sets are being archived.

- An update to the AOML SVP product is expected in October/November and should be available online shortly after that.

- A GTS routing problem in Washington has been resolved that interrupted our reception of messages circulating under the header SSVX13 LFPW between September 2009 and August 2010. Météo-France has kindly provided us with the missing data. Many of the Iridium equipped platforms were affected.

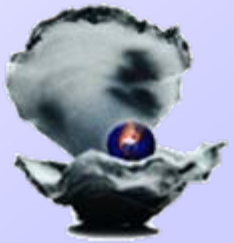


IODE (RNODC/MEDS) and JCOMM (SOC/Météo-France)

- We look forward to working with IODE, JCOMM, WMO, SOC and others to identify requirements and areas of duplication between the functions of the RNODC (ISDM/MEDS) and SOC (Météo-France) in order to improve the overall delivery of timely high quality services for data acquisition, duplicates/merging, QC, archival, dissemination and the overall management of GTS buoy data.

- Please refer to the Community White Paper submitted to OceanObs09 for a detailed discussion of the RNODC functions and activities.

  DATA MANAGEMENT SYSTEM FOR SURFACE DRIFTERS
  http://www.aoml.noaa.gov/phod/docs/keeley_etal.pdf



Thank-you!!

http://isdm.gc.ca

Joe Linguanti

for Bruce Bradshaw