



MedArgo or Argo Program in the Mediterranean Sea

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MedArgo

Outline

- MedArgo Activities
- Status of MedArgo as of June 2009
- Future plans



MedArgo Activities

Mediterranean & Black Sea Argo Center

- Component of the North Atlantic Argo Regional Center
 - Coordination of float deployments in Med and BS
 - Production and distribution of Med/BS Argo products and services
- Delayed Mode Operator
 - Delayed-mode processing specific to Med/BS Argo data
- Part of MOON (Mediterranean Operational Oceanography Network) and MyOcean

MedArgo Activities: Web Site



Status Tables (active floats)

MFSTEP-Argo Status Table (14-Jun-2009, 4 floats active)

Model	WMO	Argos	Deploy Date	Lat	Lon	Cycle	Last Date	Lat	Lon	Status
APEX-SBE	6900281	50763	15-Aug-2004 20:08	39.61	12.42	310	05-Jun-2009 20:31	37.36	10.99	ANP
APEX-SBE	6900286	50759	7-Dec-2004 01:15	36.02	21.18	145	14-Jun-2009 00:41	33.35	16.69	A
APEX-SBE	6900284	50757	7-Dec-2004 11:00	37.28	17.49	281	04-Jun-2009 12:04	32.16	19.98	A
APEX-SBE	6900453	35504	05-Jul-2006 10:20	38.98	3.08	214	14-Jun-2009 08:33	38.27	5.11	A
TOTAL						950				

Model	WMO	Argos	Deploy Date	Lat	Lon	Cycle	Last Date	Lat	Lon	Status
PROVOR-SBE	1900602	63657	10-Apr-2006 14:54	33.31	21.13	116	05-Jun-2009 13:36	39.74	17.91	A
PROVOR-SBE	1900605	63660	11-Apr-2006 04:15	33.31	23.46	116	06-Jun-2009 13:26	33.99	19.34	A
PROVOR-SBE	6900457	63670	22-Mar-2007 15:54	42.61	7.74	162	11-Jun-2009 15:39	38.90	3.73	A
PROVOR-SBE	6900501	78638	23-Jan-2008 12:38	43.40	7.83	51	09-Jun-2009 08:54	39.70	1.01	A
PROVOR-SBE	6900502	78639	26-Jan-2008 23:55	42.01	4.94	51	12-Jun-2009 11:00	42.23	6.52	A
PROVOR-SBE	6900503	78640	28-Jan-2008 10:10	42.91	5.41	51	14-Jun-2009 08:35	37.86	0.49	A
PROVOR-SBE	6900504	78641	24-Jan-2008 02:33	42.90	6.66	51	10-Jun-2009 11:09	40.43	5.85	A
PROVOR-SBE	6900505	78642	23-Jan-2008 18:17	42.56	7.49	51	09-Jun-2009 10:28	40.34	3.19	A
PROVOR-SBE	0000001	78655	07-Jul-2008 05:45	33.95	18.45	68	10-Jun-2009 10:08	33.76	19.22	A
PROVOR-SBE	0000002	78656	17-Jul-2008 06:39	39.34	5.19	66	10-Jun-2009 11:47	38.26	6.84	A
PROVOR-SBE	0000003	78657	30-Jun-2008 04:52	33.70	32.70	69	13-Jun-2009 10:31	34.71	34.82	A
PROVOR-SBE	6900663	78655	07-Jul-2008 05:45	33.95	18.45	68	10-Jun-2009 10:08	33.76	19.22	A
PROVOR-SBE	6900664	78656	17-Jul-2008 06:39	39.34	5.19	66	10-Jun-2009 11:47	38.26	6.84	A
PROVOR-SBE	6900665	78657	30-Jun-2008 04:52	33.70	32.70	69	13-Jun-2009 10:31	34.71	34.82	A
PROVOR-SBE	6900712	88420	23-May-2009 07:38	40.79	11.13	4	10-Jun-2009 09:06	41.06	11.04	A
TOTAL						1059				

A: Active with position

ANP: Active with no position

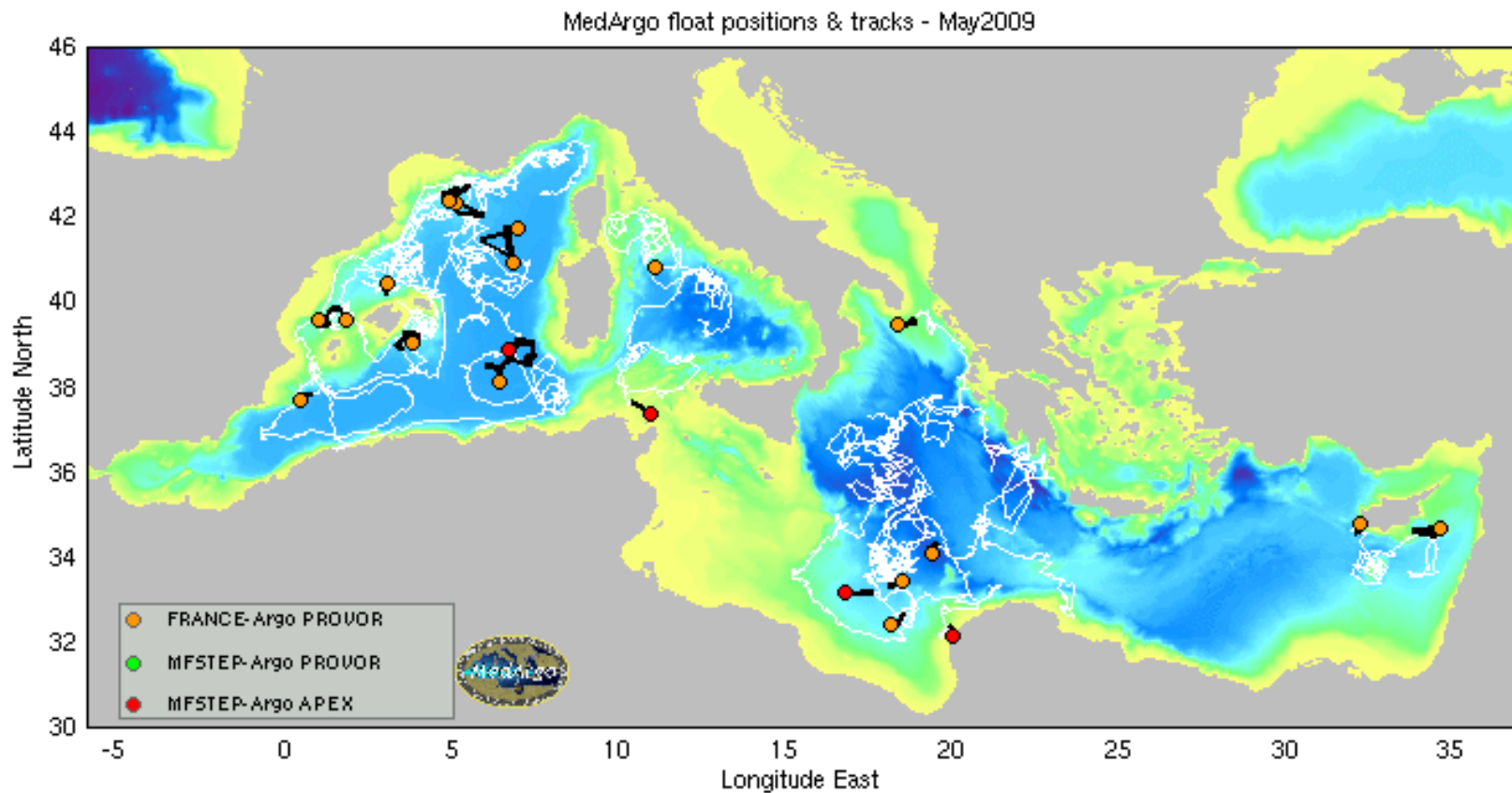
Black: 5 days cycles

Red: 10 days cycles

<http://poseidon.ogs.trieste.it/sire/medargo>



MedArgo Maps



<http://poseidon.ogs.trieste.it/sire/medargo>

MedArgo Activities



MedArgo Float Deployments



From Ships of
Opportunity



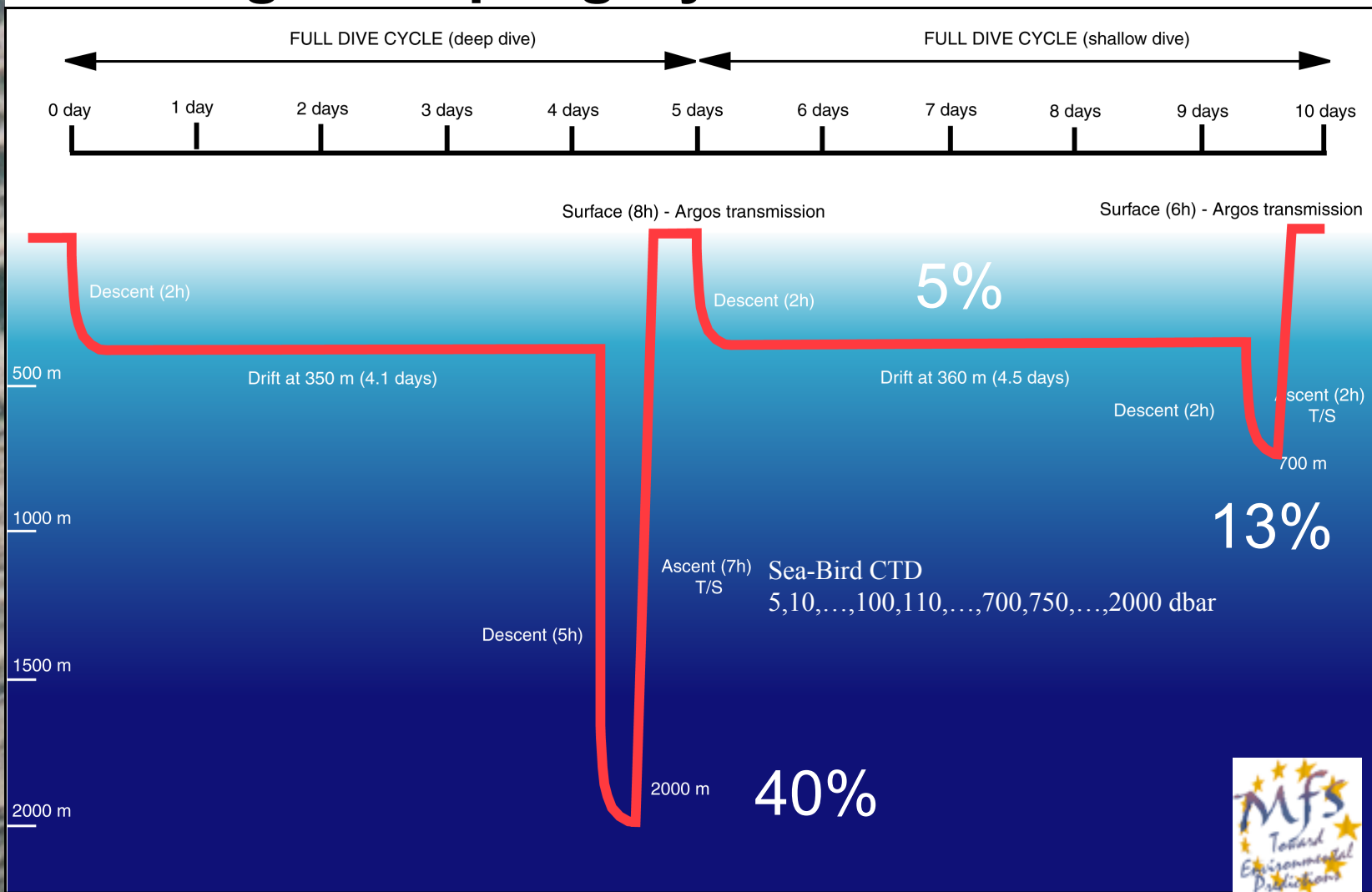
2nd EuroArgo User's Meeting, Trie



MedArgo Activities



MedArgo Sampling Cycle Characteristics



MedArgo Status – June 2009



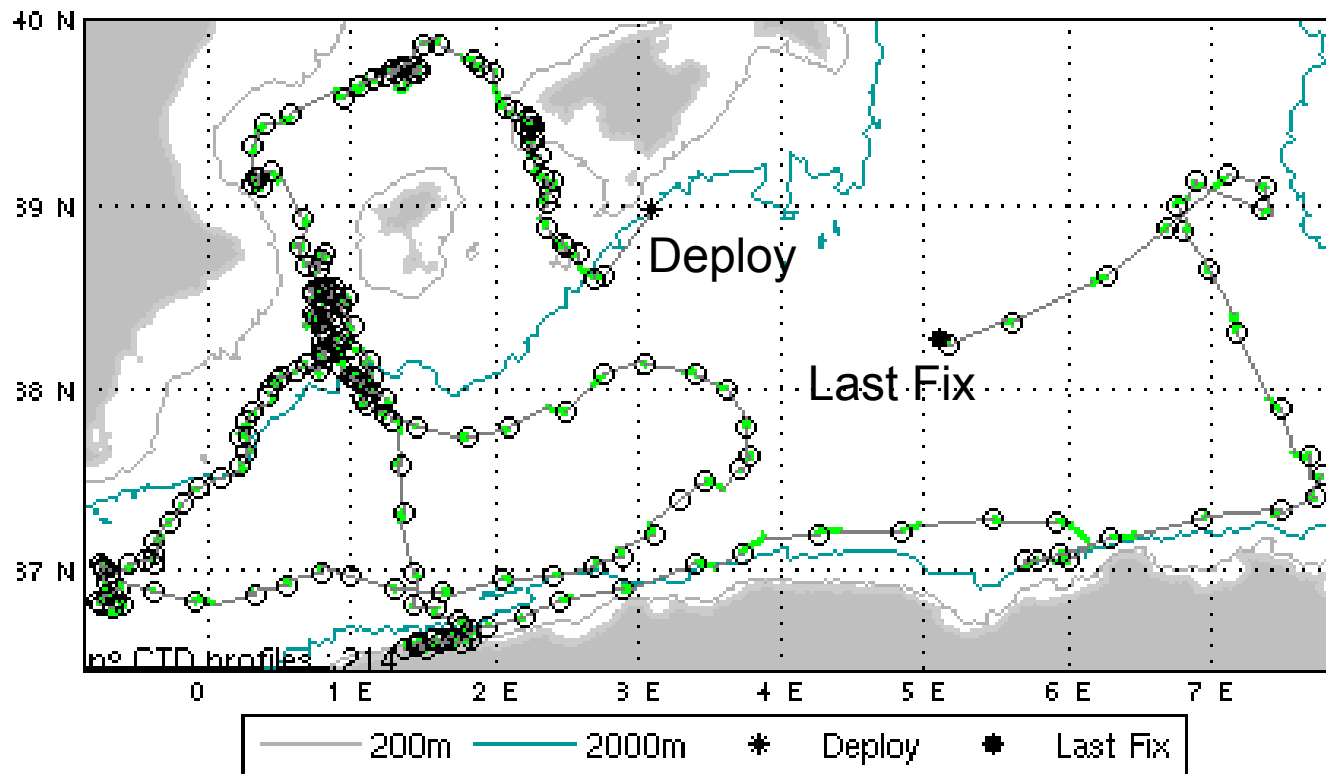
Example of long-lived MedArgo Float

APEX-SBE WMO 6900453 ARGOS 35504

Deploy 05-Jul-2006 10:20 Last Fix 14-Jun-2009 08:33

Filetime 2 years 11 months Number of cycles **214**

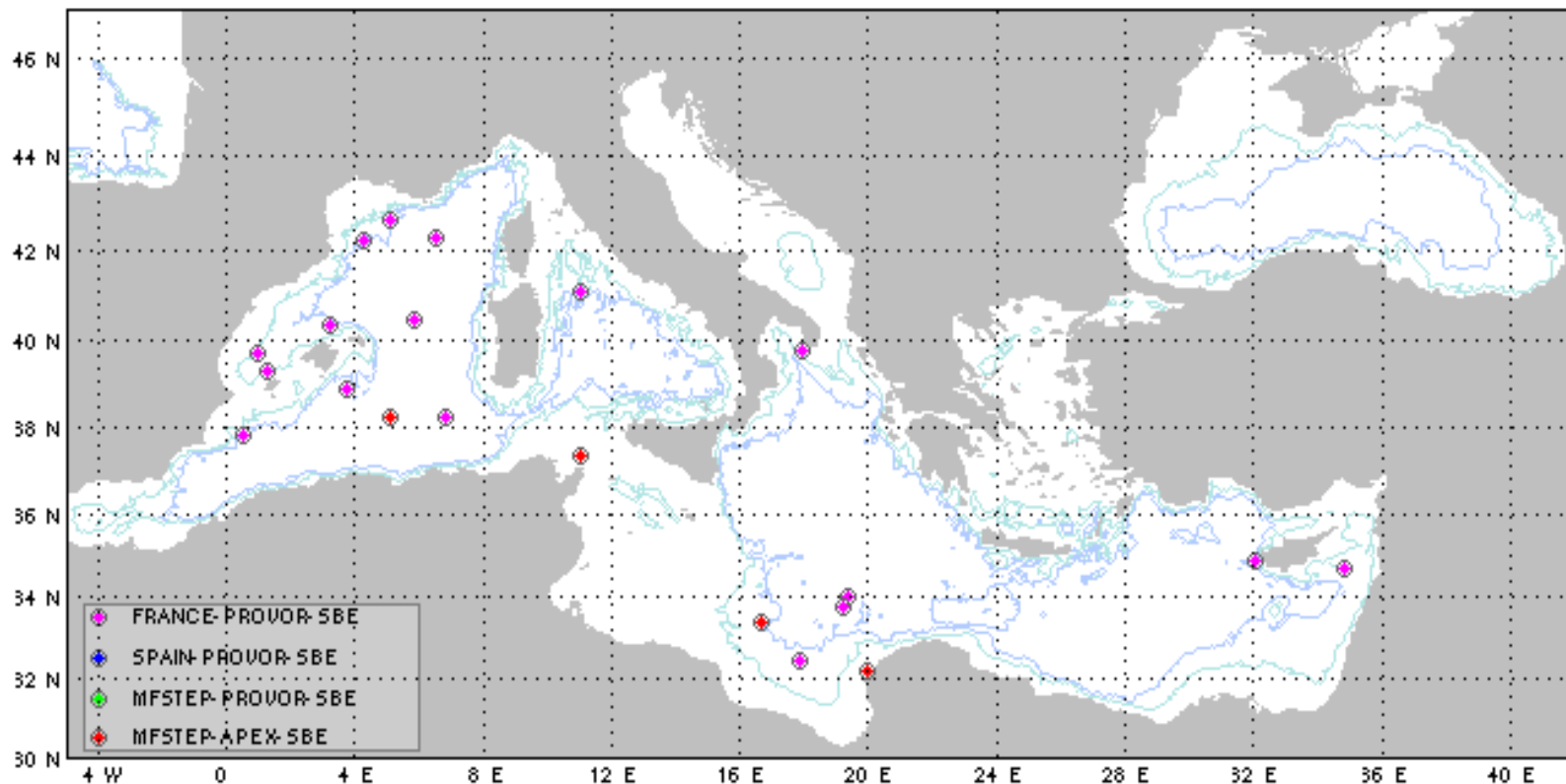
APEX FLOAT: 35504 - POSITIONS AS OF 14-Jun-2009





MedArgo Network: Active floats

MEDARGO FLOAT POSITIONS AS OF 14-Jun-2009



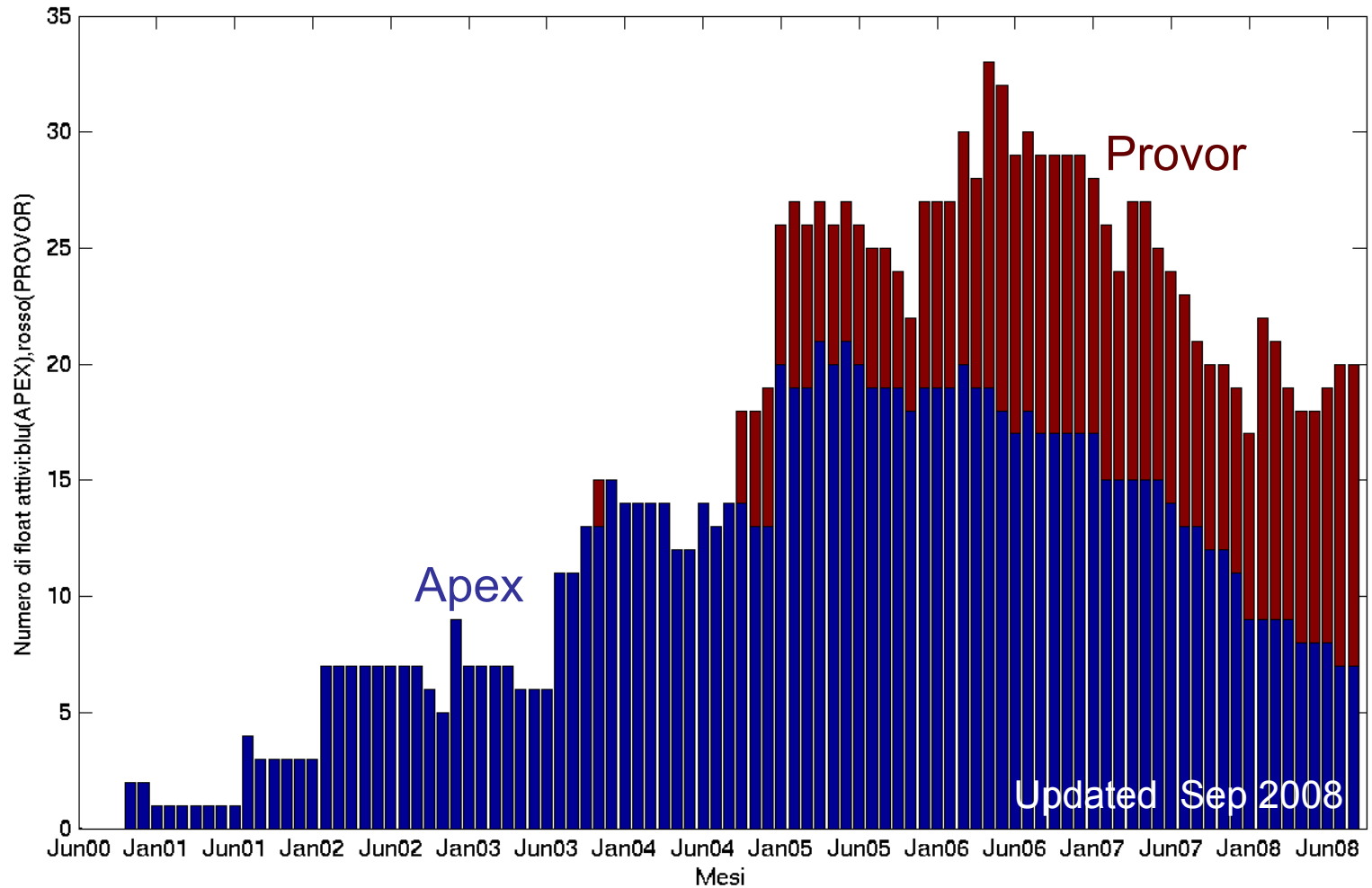
➤ 27 MFSTEP + 1 SPAIN + 27 FRANCE + 29 NAVO + 4 US/GREECE = **88 floats** (including 3 PROVIO with Iridium)

➤ **23 floats active as of 15/06/2009 (2 US, 4 MFSTEP, 17 FRANCE)**





MedArgo Network: Histograms



MedArgo Status – September 2008

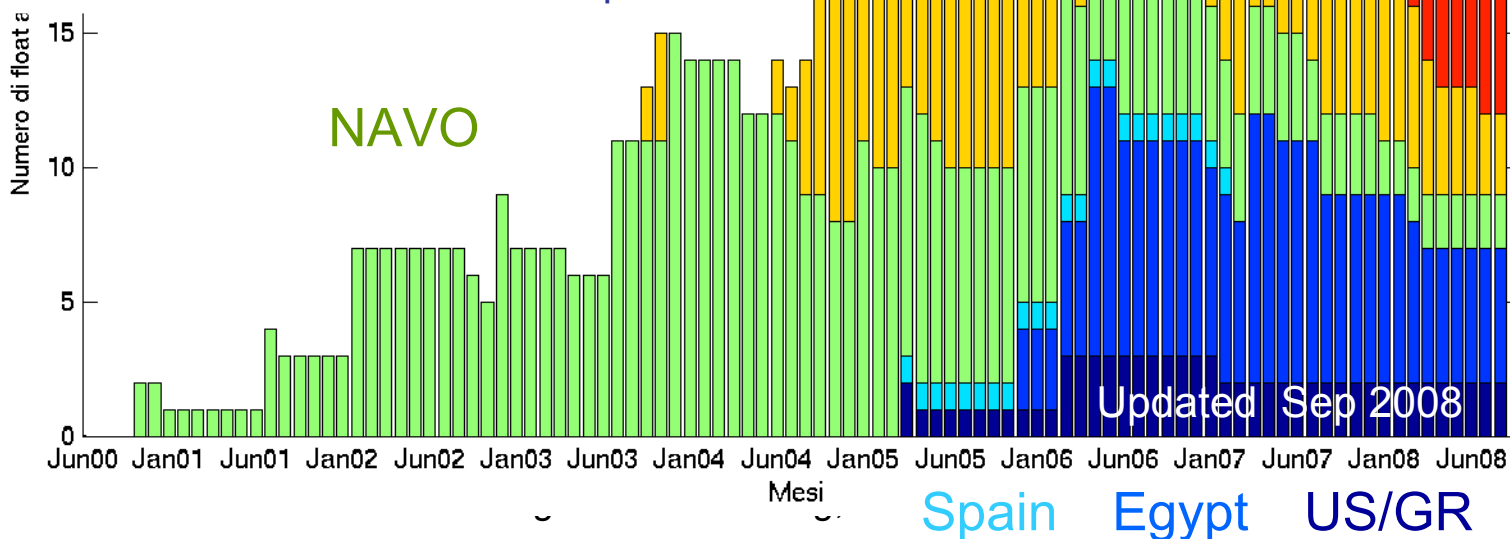


MedArgo Network: Histograms

Mediterranean Deployments per year

- 2000 : 3 (NAVO) = 3
- 2001 : 4 (NAVO) = 4
- 2002 : 9 (NAVO) = 9
- 2003 : 4 (MFSTEP) + 9 (NAVO) = 13
- 2004 : 15 (MFSTEP) + 3 (NAVO) = 18
- 2005 : 3 (France) + 1 (Spain) + 7 (MFSTEP) + 1 (NAVO) + 2 (US/GR) = 14
- 2006 : 7 (France) + 1 (MFSTEP) + 2 (US/GR) = 10
- 2007 : 4 (France) = 4
- 2008 : 8 (France) = 8
- 2009 : 5 (France) = 5

TOTAL: 88 FLOATS more than 6000 CTD profiles



MedArgo & EuroArgo : Future Plans



- Contributions to Argo in Med from individual countries for operational or scientific purposes (encouraged by EuroArgo PP)

(in 2009-2010, 4 from France, 8 from Spain, 5? from Germany, 1? from Greece, 2 from EU)

- Improved organization, NRT data processing, NRT data dissemination & archival in databases via MedArgo and CORIOLIS
- Limited EU support (GMES) via EuroArgo to buy floats in order to maintain minimum fleet in Med (30 floats?)
- Limited support in EuroArgo PP for tests of Argos3 telemetry with 2 floats in the Eastern Med.

