

# e-distribution of updates

Data directly to ships

**Dr Yiorgos Palierakis**  
Managing Director

# Novaco Satellite Broadcast “at a glance”



## Electronic Courier Service

- Simply delivering electronic files to your PC (eg paper documents in PDF format)



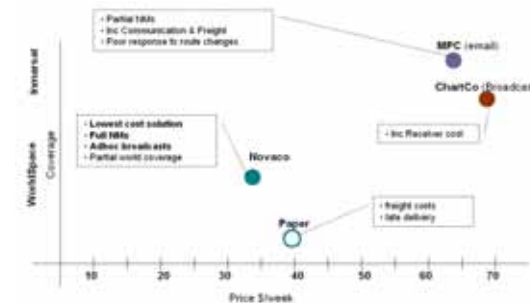
## Independent Communication

- The service does not rely on existing ship communications. Thus it's accessible by all.



## Half the cost of alternative systems

- Cost is half the cost of other e-distribution systems and similar to existing paper products



Today: **Focus on paper** - Progressive: **Focus on digital**

# Content

# Admiralty Notices, Tracings, etc



## Weekly Admiralty Notice to Mariners

- The entire copy of the Admiralty Notices to Mariners in PDF format

## Weekly Admiralty Tracings

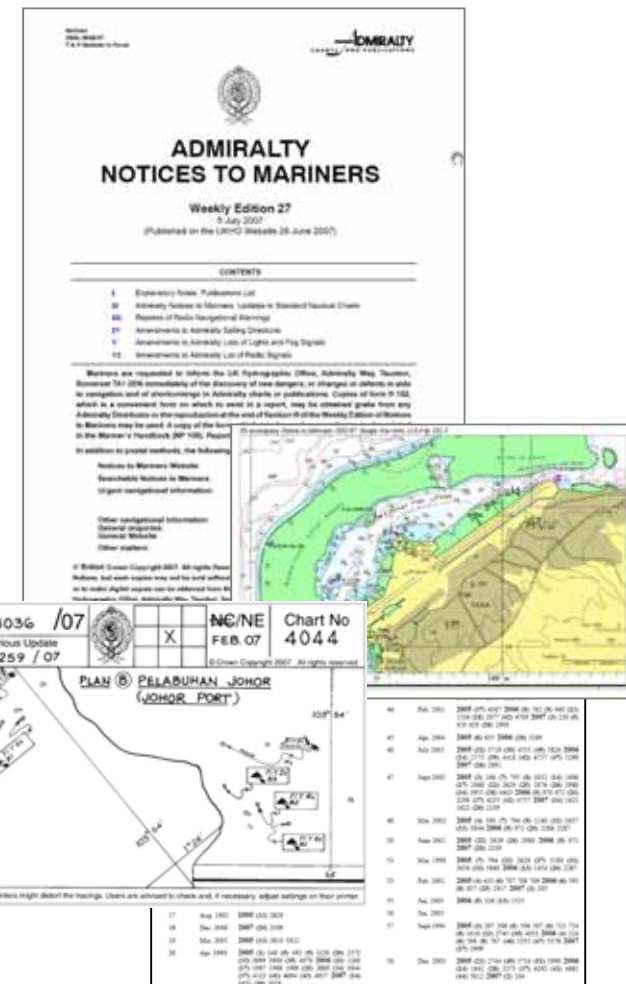
- Copy of all the weekly tracings associated with the Admiralty Notices to Mariners

## NP234

- Comprehensive log of all the corrections affecting Admiralty charts and publications.

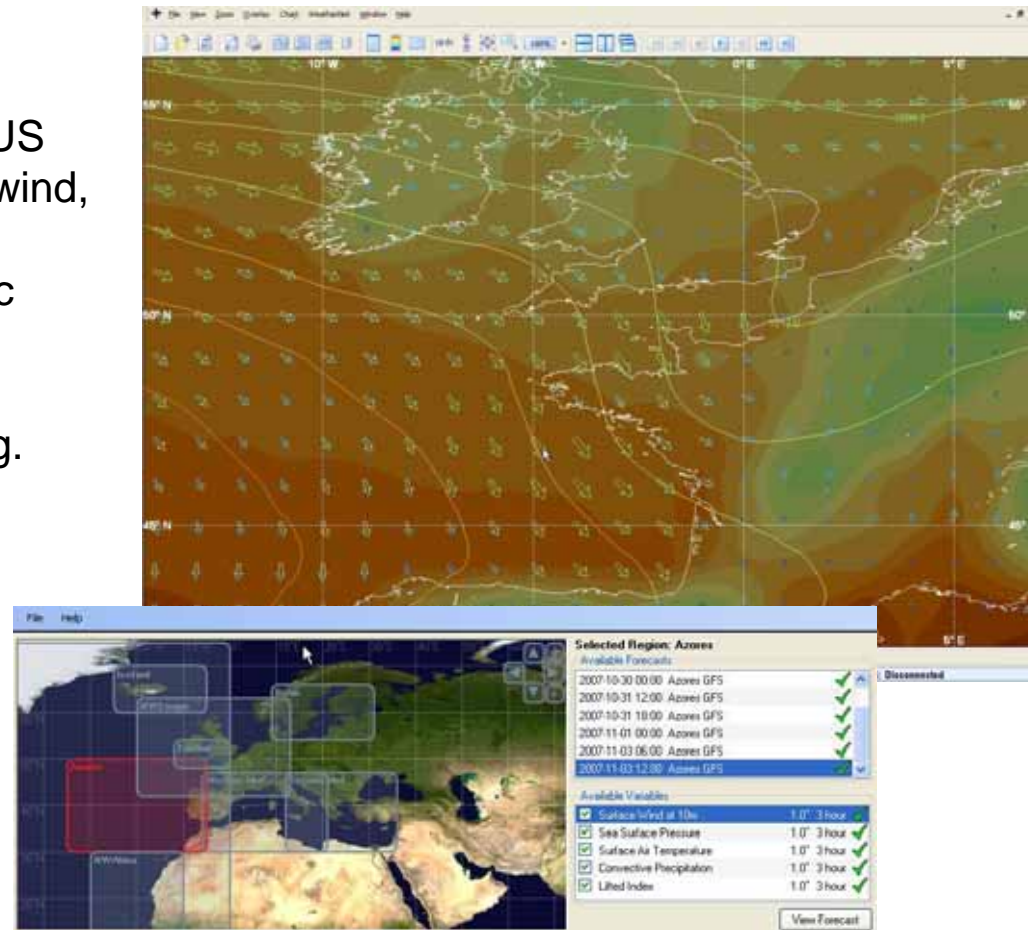
## 14 broadcasts every week

- Daily 10:00 and 22:00 UTC
- Same weekly edition over 4 weeks

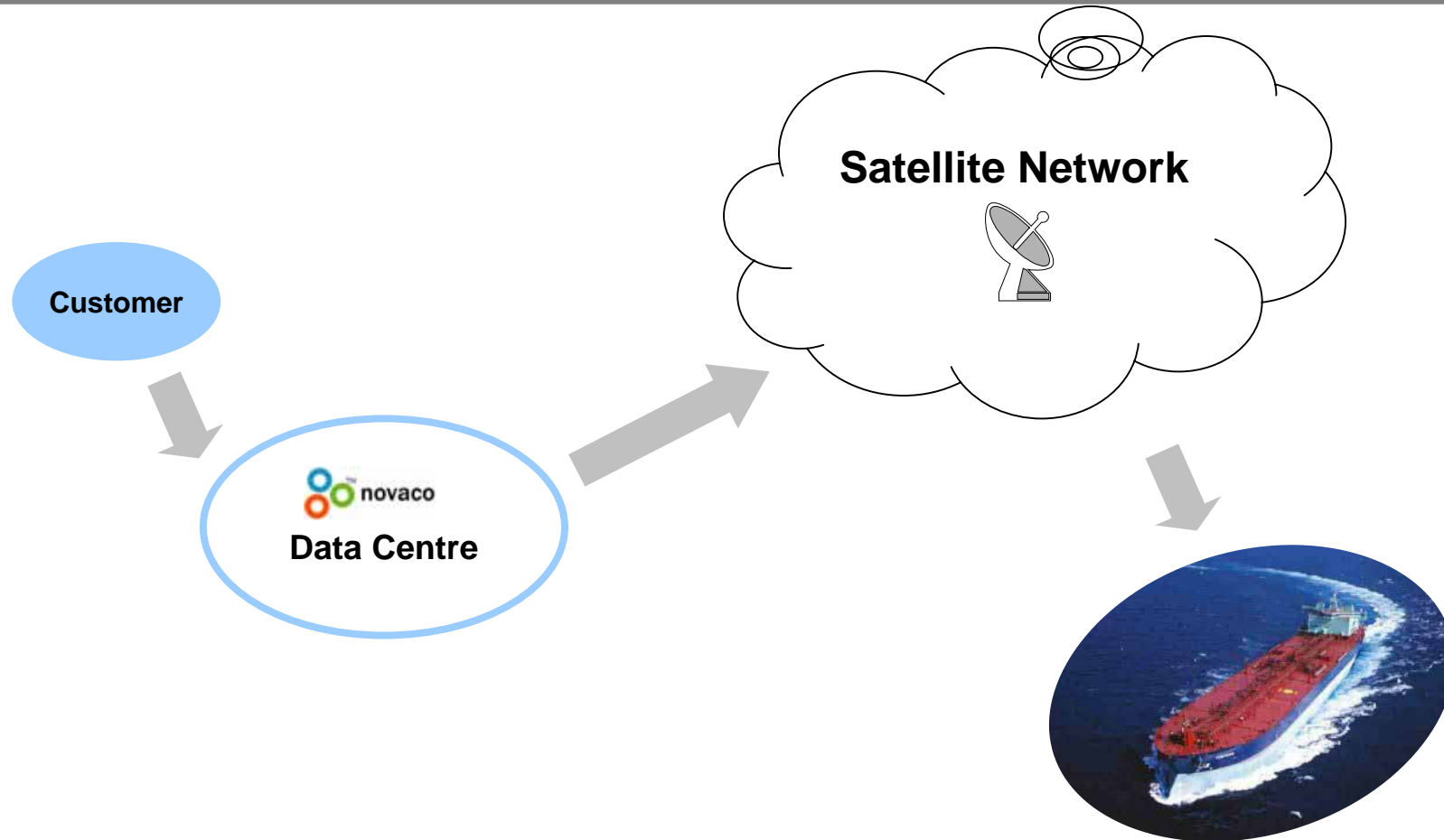


# Weather

- Regional weather data from US authorities including surface wind, sea surface pressure, air temperature, precipitation, etc
- Forecasting horizon 7 days
- Forecast resolution, 1 x 1 deg.
- Broadcast every 3 hours



# Data on Demand



# News, Sport & Music



- The Novaco receiver is a standard DAB satellite receiver which can be readily connected to any satellite radio station broadcasting in the region.
- WorldSpace offer a choice of programmes with News, Music, Sport, Religion, Documentaries and Education

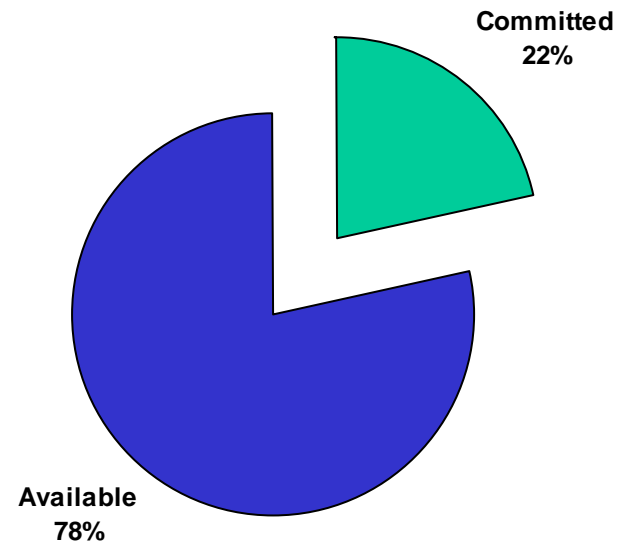


# Bandwidth capability



## Broadcasting data rate

- Up to **128Kb** rate
- Up to **12Mb** per hour



## Content v commercial viability

# Growing portfolio of updates

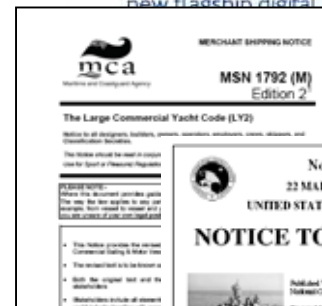
- Other NtM& tracings
- Admiralty Digital List of Lights & Radio Signals
- AVCS
- MCA M Notices
- CFR 33 & 46 Updates



AVCS is the most comprehensive, consistent, official and quality assured Electronic Navigation Chart coverage in the world.



To find out more about the UKHO's new flagship digital product visit [www.TheFutureOfNavigation.com](http://www.TheFutureOfNavigation.com)



No. 12  
22 MARCH 2008  
UNITED STATES OF AMERICA  
**NOTICE TO MARINERS**

Published Weekly by the  
National Oceanic and Atmospheric Administration  
Reprinted Daily with the  
National Ocean Service and U.S. Coast Guard

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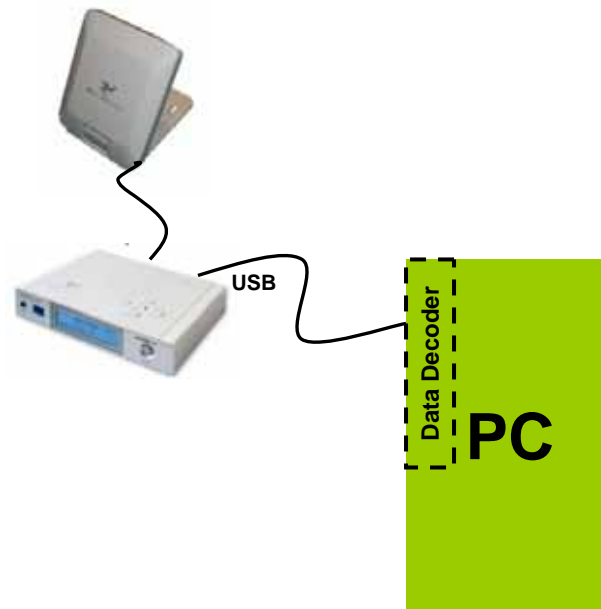
• Safety Web site at <http://www.noaa.gov/notices>



# Hardware

# Turn Key System

---



**User installed turn-key system**

# Antenna location & orientation



On ship's bridge outer wall



On ship's ventilation duct



On ship's deck structure



On ships deck

**70° cone & magnetic mounting for versatility**

# Software

# Novaco Receiver Software



User Receive Station (100000000053953) (Radio Data Source)

Data Source Status  
Status: Framesync Found  
Current tuning parameter: 1

Skip  Automatically Scan Timeout: 30

Stream Status  
✓ Data Source Defined Bytes Received: 1980288  
✓ Data Source Open Bytes Discarded: 1992  
✓ Receiving Bytes Packets Received: 239  
✓ Framesyncs Found Good Packets Received: 239  
✓ Checksum Good Bad Packets Received: 0  
Data Packets Authorized: 221

Reset Statistics

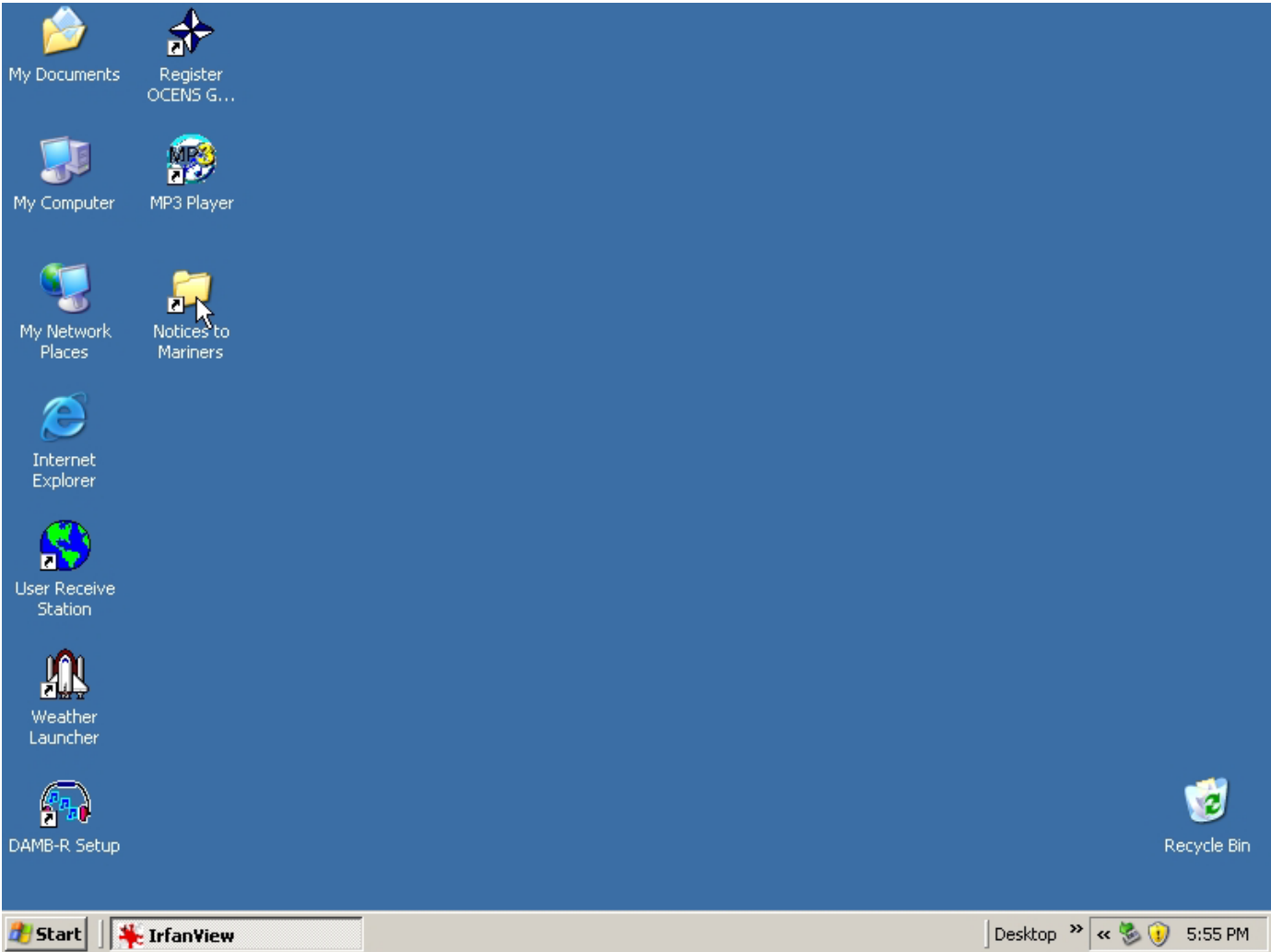
File Name	File Size (bytes)	Date	Packets (good/bad/total)	Progress
07112200fmatmprs.bz2	49555	22/11/2007 21:52:53	6 / 0 / 7	
07112200gfsemdprs.bz2	17549	22/11/2007 21:52:54	1 / 0 / 3	
07112212gfswmdwnd...	50822	22/11/2007 21:53:03	4 / 0 / 7	
07112212gfsnweli.bz2	34576	22/11/2007 21:58:20	5 / 0 / 5	
07112212gfsicewnd.bz2	22732	22/11/2007 21:58:41	3 / 0 / 3	
07112212gfsiceprs.bz2	10004	22/11/2007 21:58:53	2 / 0 / 2	
07112212gfsicetmp.bz2	10431	22/11/2007 21:59:02	2 / 0 / 2	
07112212gfsiceprc.bz2	8051	22/11/2007 21:59:10	1 / 0 / 1	
07112212gfsiceli.bz2	11722	22/11/2007 21:59:14	2 / 0 / 2	
07112212gfsnwawnd...	45109	22/11/2007 21:59:35	5 / 0 / 6	
07w48_INDEX05 files...	42951	22/11/2007 21:59:51	6 / 0 / 6	
07w48_NP234.zip	205039	22/11/2007 22:00:04	26 / 0 / 26	
07w48nm5376-5483-1...	371726	22/11/2007 22:02:11	46 / 0 / 46	
07w48nm5376-5483-2...	275655	22/11/2007 22:05:21	34 / 0 / 34	
07w48nm5376-5483-2...	201816	22/11/2007 22:07:41	25 / 0 / 25	
07112212gfsnatwnd.bz2	424334	22/11/2007 22:09:24	1 / 0 / 52	

dB

Hide Status Clear Completed

Network Time: 2007-11-22 22:09:32

# Shortcut to data



# Accessing files



The screenshot shows a Windows Explorer window for a folder named '705'. The address bar shows the path: C:\Documents and Settings\1921\My Documents\UserReceiveStation\SaveFiles\705. The main pane displays a list of files with columns for Name, Size, Type, and Date Modified. A red box highlights a group of files starting from 08W12\_INDEX\_11.zip and ending at 08W12TR1521-1558.zip.

Name	Size	Type	Date Modified
08W11_INDEX_12.zip	19 KB	WinRAR ZIP archive	25/03/2008 10:01
08W11_NP234.zip	1,167 KB	WinRAR ZIP archive	25/03/2008 10:21
08W11nm1283-1413-1.zip	354 KB	WinRAR ZIP archive	25/03/2008 10:07
08W11nm1283-1413-2A.zip	358 KB	WinRAR ZIP archive	25/03/2008 10:13
08W11nm1283-1413-2B.zip	334 KB	WinRAR ZIP archive	25/03/2008 10:19
08W11nm1283-1413-2C.zip	562 KB	WinRAR ZIP archive	25/03/2008 10:25
08W11nm1283-1413-3.zip	682 KB	WinRAR ZIP archive	25/03/2008 10:31
08W11TR1284-1308.zip	426 KB	WinRAR ZIP archive	25/03/2008 10:34
08W11TR1310-1346.zip	488 KB	WinRAR ZIP archive	25/03/2008 10:39
08W11TR1347-1355.zip	482 KB	WinRAR ZIP archive	25/03/2008 10:43
08W11TR1368-1387.zip	691 KB	WinRAR ZIP archive	25/03/2008 10:49
08W11TR1388-1413.zip	564 KB	WinRAR ZIP archive	25/03/2008 10:54
08W12_INDEX_11.zip	45 KB	WinRAR ZIP archive	16/03/2008 11:01
08W12_NP234.zip	1,174 KB	WinRAR ZIP archive	16/03/2008 11:21
08W12nm1414-1558-1.zip	270 KB	WinRAR ZIP archive	16/03/2008 11:05
08W12nm1414-1558-2A.zip	277 KB	WinRAR ZIP archive	16/03/2008 11:10
08W12nm1414-1558-2B.zip	946 KB	WinRAR ZIP archive	16/03/2008 11:24
08W12nm1414-1558-2C.zip	873 KB	WinRAR ZIP archive	16/03/2008 11:31
08W12nm1414-1558-3.zip	481 KB	WinRAR ZIP archive	16/03/2008 23:35
08W12TR1416-1450.zip	698 KB	WinRAR ZIP archive	16/03/2008 23:42
08W12TR1451-1480.zip	823 KB	WinRAR ZIP archive	16/03/2008 23:49
08W12TR1481-1520.zip	774 KB	WinRAR ZIP archive	16/03/2008 23:53
08W12TR1521-1558.zip	846 KB	WinRAR ZIP archive	17/03/2008 00:03
08W13_INDEX_11.zip	23 KB	WinRAR ZIP archive	31/03/2008 11:01
08W13_NP234.zip	1,183 KB	WinRAR ZIP archive	31/03/2008 11:21
08W13nm1559-1684-1.zip	416 KB	WinRAR ZIP archive	31/03/2008 11:08
08W13nm1559-1684-2A.zip	264 KB	WinRAR ZIP archive	31/03/2008 11:12
08W13nm1559-1684-2B.zip	459 KB	WinRAR ZIP archive	31/03/2008 11:20
08W13nm1559-1684-2C.zip	391 KB	WinRAR ZIP archive	31/03/2008 11:24
08W13nm1559-1684-3.zip	981 KB	WinRAR ZIP archive	31/03/2008 11:32
08W13TR1559-1594.zip	641 KB	WinRAR ZIP archive	31/03/2008 11:38
08W13TR1605-1620.zip	587 KB	WinRAR ZIP archive	31/03/2008 11:43
08W13TR1646-1649.zip	738 KB	WinRAR ZIP archive	31/03/2008 11:50

# Accessing files



705

File Edit View Favorites Tools Help

Address C:\Documents and Settings\1921\My Documents\UserReceiveStat

**File and Folder Tasks**

- Make a new folder
- Publish this folder to the Web
- Share this folder

**Other Places**

- SaveFiles
- My Documents
- Shared Documents
- My Computer
- My Network Places

**Details**

705  
File Folder  
Date Modified: 05 April 2008, 23:27

Name	Size	Type
08W11_INDEX_12.zip		WinRAR ZIP archive
08W11_NP234.zip		WinRAR ZIP archive
08W11nm1283-1413-1.zip		WinRAR ZIP archive
08W11nm1283-1413-2A.zip		WinRAR ZIP archive
08W11nm1283-1413-2B.zip		WinRAR ZIP archive
08W11nm1283-1413-2C.zip		WinRAR ZIP archive
08W11nm1283-1413-3.zip		WinRAR ZIP archive
08W11TR1284-1308.zip		WinRAR ZIP archive
08W11TR1310-1346.zip		WinRAR ZIP archive
08W11TR1347-1355.zip		WinRAR ZIP archive
08W11TR1368-1387.zip		WinRAR ZIP archive
08W11TR1388-1413.zip		WinRAR ZIP archive
08W12_INDEX_11.zip		WinRAR ZIP archive
08W12_NP234.zip		WinRAR ZIP archive
08W12nm1414-1558-1.zip		WinRAR ZIP archive
08W12nm1414-1558-2A.zip		WinRAR ZIP archive
08W12nm1414-1558-2B.zip		WinRAR ZIP archive
08W12nm1414-1558-2C.zip		WinRAR ZIP archive
08W12nm1414-1558-3.zip		WinRAR ZIP archive
08W12TR1416-1450.zip		WinRAR ZIP archive
08W12TR1451-1480.zip		WinRAR ZIP archive
08W12TR1481-1520.zip		WinRAR ZIP archive
08W12TR1521-1558.zip		WinRAR ZIP archive
08W13_INDEX_11.zip		WinRAR ZIP archive
08W13_NP234.zip		WinRAR ZIP archive
08W13nm1559-1684-1.zip		WinRAR ZIP archive
08W13nm1559-1684-2A.zip		WinRAR ZIP archive
08W13nm1559-1684-2B.zip		WinRAR ZIP archive
08W13nm1559-1684-2C.zip		WinRAR ZIP archive
08W13nm1559-1684-3.zip		WinRAR ZIP archive
08W13TR1559-1594.zip		WinRAR ZIP archive
08W13TR1605-1620.zip		WinRAR ZIP archive
08W13TR1646-1649.zip		WinRAR ZIP archive

**Broadcasting Schedule & Weekly Index of Files**

Index of files for  
**Week 12**  
20 March 2008

The complete list of weekly files broadcast by the Novaco Service this week, are:

Seq	File Name	Content
1	08W12_INDEX_11 files.zip	This document
2	08W12_NP234.zip	List of Cumulative Chart corrections up to and including this week.
3	08W12nm1414-1558-1.zip	Section II of the Notices
4	08W12nm1414-1558-2A.zip	Text of corrections in Section II of the Notices
5	08W12nm1414-1558-2B.zip	Graphics for corrections in Section II of the Notices
6	08W12nm1414-1558-2C.zip	Graphics for corrections in Section II of the Notices
7	08W12nm1414-1558-3.zip	Section II to the END of the Notices
8	08W12TR1416-1450.zip	Trackings for NM 1416 to 1450
9	08W12TR1451-1480.zip	Trackings for NM1451 to 1480
10	08W12TR1481-1520.zip	Trackings for NM 1481 to 1520
11	08W12TR1521-1558.zip	Trackings for NM1521 to 1558

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**Broadcasting Schedule from  
Week 12**  
20 March 2008

Date	Time
Thu 20-Mar-08	10:00 & 22:00
Fri 21-Mar-08	*
Sat 22-Mar-08	*
Sun 23-Mar-08	*
Mon 24-Mar-08	*
Tue 25-Mar-08	*
Wed 26-Mar-08	*
Thu 27-Mar-08	*
Fri 28-Mar-08	*
Sat 29-Mar-08	*
Sun 30-Mar-08	*
Mon 31-Mar-08	*
Tue 1-Apr-08	*
Wed 2-Apr-08	*
Thu 3-Apr-08	*
Fri 4-Apr-08	*
Sat 5-Apr-08	*
Sun 6-Apr-08	*
Mon 7-Apr-08	*
Tue 8-Apr-08	*
Wed 9-Apr-08	*
Thu 10-Apr-08	*
Fri 11-Apr-08	*
Sat 12-Apr-08	*
Sun 13-Apr-08	*
Mon 14-Apr-08	*
Tue 15-Apr-08	*
Wed 16-Apr-08	*

Legend:

- Black: NM for the current weekly edition
- Blue: NM from weeks prior to current weekly edition
- Other: NM for weeks after current weekly edition

31/03/2008 11:50

# Accessing files



705

File Edit View Favorites Tools Help

Address C:\Documents and Settings\1921\My Documents\UserReceiv

**File and Folder Tasks**

- Make a new folder
- Publish this folder to the Web
- Share this folder

**Other Places**


- SaveFiles
- My Documents
- Shared Documents
- My Computer
- My Network Places

**Details**

705  
File Folder  
Date Modified: 05 April 2008, 23:27

Name	Size	Type
08W11_INDEX_12.zip		
08W11_NP234.zip		
08W11nm1283-1413-1.zip		
08W11nm1283-1413-2A.zip		
08W11nm1283-1413-2B.zip		
08W11nm1283-1413-2C.zip		
08W11nm1283-1413-3.zip		
08W11TR1284-1308.zip		
08W11TR1310-1346.zip		
08W11TR1347-1355.zip		
08W11TR1368-1387.zip		
08W11TR1388-1413.zip		
08W12_INDEX_11.zip		
08W12_NP234.zip		
08W12nm1414-1558-1.zip		
08W12nm1414-1558-2A.zip		
08W12nm1414-1558-2B.zip		
08W12nm1414-1558-2C.zip		
08W12nm1414-1558-3.zip		
08W12TR1416-1450.zip		
08W12TR1451-1480.zip		
08W12TR1481-1520.zip		
08W12TR1521-1558.zip		
08W13_INDEX_11.zip		
08W13_NP234.zip		
08W13nm1559-1684-1.zip		
08W13nm1559-1684-2A.zip		
08W13nm1559-1684-2B.zip		
08W13nm1559-1684-2C.zip		
08W13nm1559-1684-3.zip		
08W13TR1559-1594.zip		
08W13TR1605-1620.zip		
08W13TR1646-1649.zip		

ADMIRALTY  
CHARTS AND PUBLICATIONS

  
**CUMULATIVE LIST OF  
ADMIRALTY NOTICES TO MARINERS**  
 (Admiralty Charts only)  
**Weekly Edition 12**  
 20 March 2008

The last notice number included in this list is 1558/08

This publication records the date of issue of the current edition of each nautical chart and of subsequent relevant Notices to Mariners issued since the edition number and date shown above.

Users are reminded that the authoritative listings of Notice to Mariners are given in the weekly bulletin.

Any queries relating to Notices to Mariners should be directed to the UKHO Helpdesk:  
 Tel: +44 (0) 1823 337900 Ext 6030  
 Tel direct: +44 (0) 1823 723355  
 FAX: +44 (0) 1823 251816  
 E-mail: [helpdesk@ukho.gov.uk](mailto:helpdesk@ukho.gov.uk)

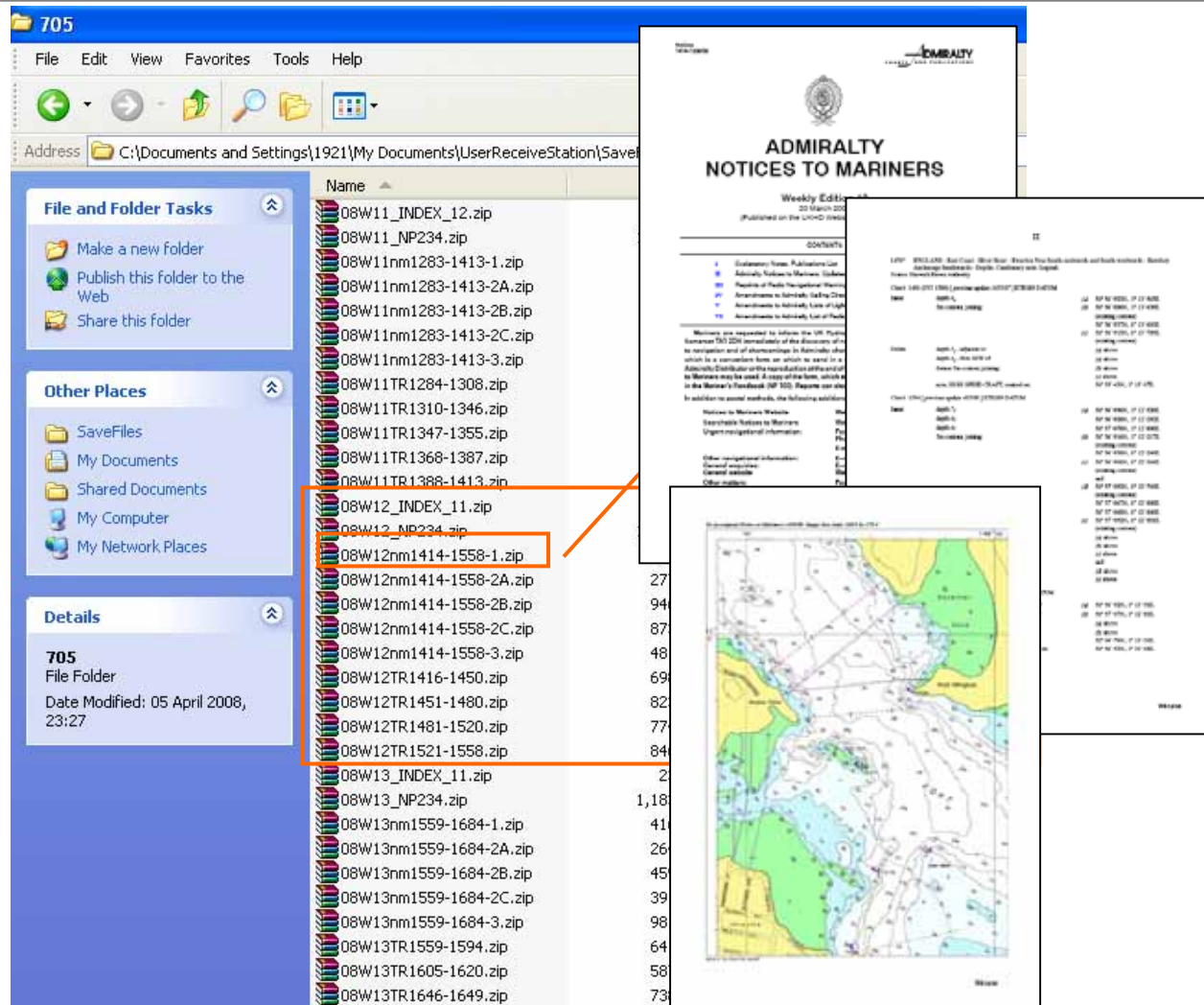
This weekly edition is for early reference purposes only. Copies printed from this file should not be sold. NP234A and B continue to be published in January and July each year, available as both paper versions and a digital download from the UKHO website.

Published by the UNITED KINGDOM HYDROGRAPHIC OFFICE  
2008  
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Chart No.	Edition	Notice to Mariners
44	Feb 2000	2000 (0) 702 (0) 506 (0) 1716 (0) 1877 (0) 4708 2007 (0) 328 (0) 409 408 1204 2000 (0) 2481 (0) 1002 1006 (0) 1716 2000 (0) 125
45	Apr 2004	2006 (0) 3269
46	Jul 2005	2006 (0) 2770 (0) 4410 (0) 4137 (0) 5239 2007 (0) 2031 (0) 4469 4110 (0) 4345 2008 (0) 1273 (0) 1521 (0) 1771
47	Sept 2006	2006 (0) 500 974 (0) 2006 (0) 2219 4023 4137 2007 (0) 8121 1422 (0) 2219 (0) 4116 (0) 4210 (0) 3448 2008 (0) 828 (0) 974
48	Mar 2002	2006 (0) 971 (0) 2106 2287 2007 (0) 2124 2127 (0) 4219 (0) 3448 2008 (0) 411 (0) 2043
49	June 2004	2006 (0) 971 2007 (0) 2119 2008 (0) 1707
50	Mar 1998	2006 (0) 3124 (0) 2217 2007 (0) 1027 (0) 4175 2008 (0) 315 (0) 973 (0) 2043
51	Feb 2000	2006 (0) 393 (0) 407 (0) 2017 2007 (0) 303 (0) 4078 2008 (0) 1316
52	Jan 2000	2006 (0) 104 (0) 1023 2007 (0) 6688
53	Jan 2000	
54	Sept 1994	2006 (0) 224 (0) 708 (0) 707 (0) 5223 (0) 5278 2007 (0) 2009 (0) 4013 (0) 4136 (0) 5127 2008 (0) 305 (0) 719
55	Dec 2002	2006 (0) 1664 (0) 3273 (0) 4192 (0) 4641 (0) 5012 2007 (0) 164
56	Dec 2006	2007 (0) 4069 (0) 3106
57	Mar 2006	
58	June 2000	2004 (0) 3169
59	Mar 2005	2007 (0) 48 (0) 1023 (0) 1439 (0) 1024 (0) 4047 4668 2008 (0) 142
60	Dec 2007	2008 (0) 171
61	Aug 2006	2006 (0) 710 (0) 1140 (0) 4939 (0) 5716 2007 (0) 41 (0) 1716 1867 (0) 2006 (0) 2030 (0) 5752 2008 (0) 867 (0) 4098 1031
62	Jul 1999	2006 (0) 4109 2007 (0) 1688 (0) 1045 (0) 1247 2008 (0) 404 (0) 4087 4080
63	June 2000	2006 (0) 3229 2007 (0) 1128 (0) 5188 (0) 2008 (0) 900 (0) 1169 1129 (0) 1781 (0) 2180
64	June 2004	2006 (0) 409 2007 (0) 177 (0) 1169 (0) 2077 (0) 4424 2008 (0) 701 (0) 4247 1248 (0) 1023
65	June 2004	2006 (0) 708 (0) 1024 (0) 4019 (0) 4016 (0) 5208 2007 (0) 2002 (0) 1094 (0) 4821 (0) 5106 (0) 5227 2008 (0) 809
66	Nov 2007	
67	Feb 2002	2006 (0) 427 (0) 508 (0) 1114 (0) 1929 2007 (0) 848 (0) 1449 (0) 1064 (0) 2011 (0) 2124 (0) 3168 (0) 4049 (0) 2610 (0) 3050
68	Nov 1997	2006 (0) 2188 2008 (0) 2014 (0) 3212 (0) 4719 2007 (0) 3244
69	Dec 1997	2006 (0) 706 (0) 2002 2008 2009 (0) 2124 3215 (0) 3212 (0) 4718 2007 (0) 763 (0) 1392 (0) 1010 (0) 2044

264 KB	WinRAR ZIP
459 KB	WinRAR ZIP
391 KB	WinRAR ZIP
981 KB	WinRAR ZIP
641 KB	WinRAR ZIP
587 KB	WinRAR ZIP
738 KB	WinRAR ZIP

# Accessing files

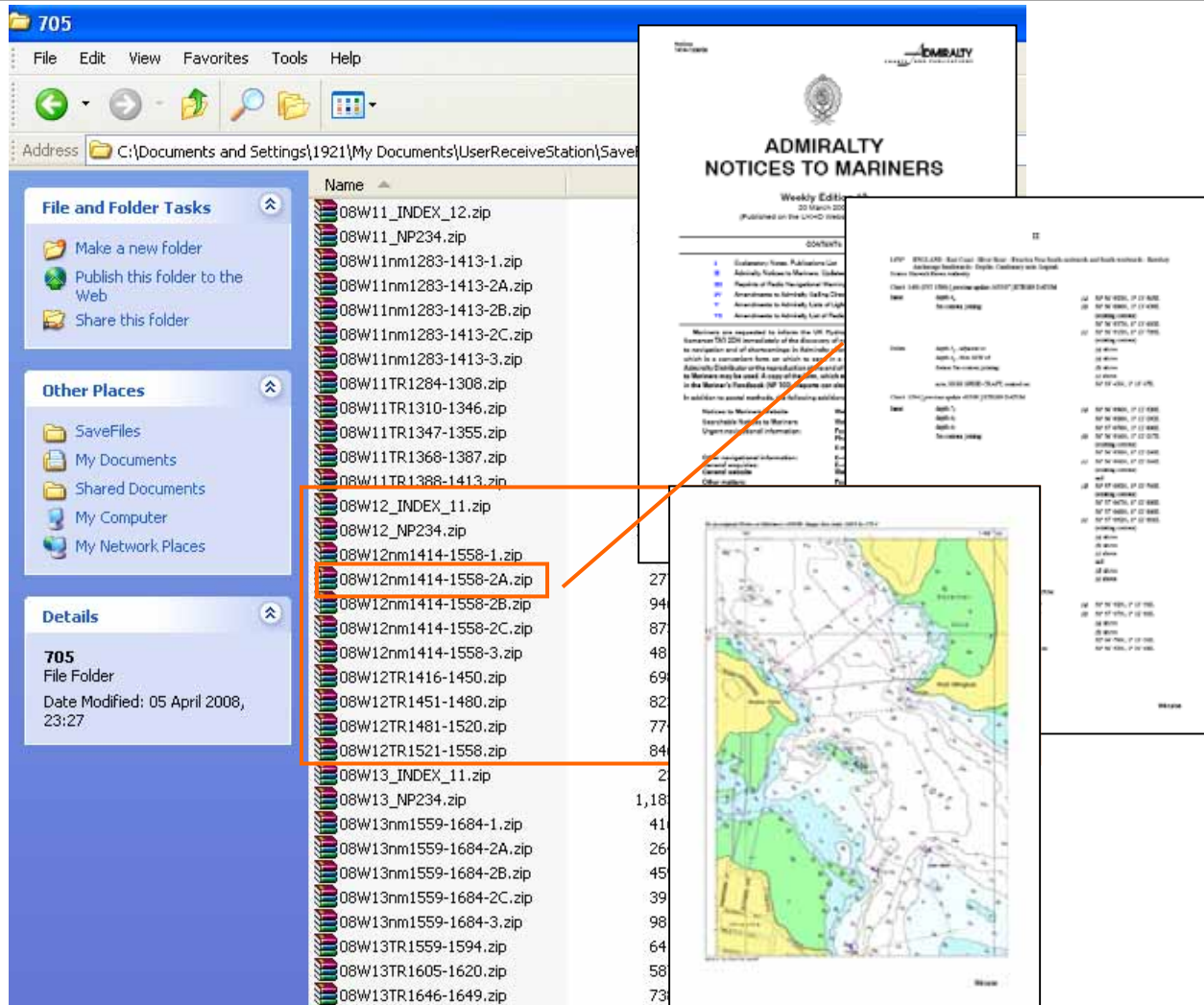


The screenshot shows a Windows Explorer window with the following details:

- Folder Name:** 705
- Address:** C:\Documents and Settings\1921\My Documents\UserReceiveStation\Save
- File and Folder Tasks:** Make a new folder, Publish this folder to the Web, Share this folder.
- Other Places:** SaveFiles, My Documents, Shared Documents, My Computer, My Network Places.
- Details:** 705, File Folder, Date Modified: 05 April 2008, 23:27.
- File List:**
  - 08W11\_INDEX\_12.zip
  - 08W11\_NP234.zip
  - 08W11nm1283-1413-1.zip
  - 08W11nm1283-1413-2A.zip
  - 08W11nm1283-1413-2B.zip
  - 08W11nm1283-1413-2C.zip
  - 08W11nm1283-1413-3.zip
  - 08W11TR1284-1308.zip
  - 08W11TR1310-1346.zip
  - 08W11TR1347-1355.zip
  - 08W11TR1368-1387.zip
  - 08W11TR1388-1413.zip
  - 08W12\_INDEX\_11.zip** (highlighted)
  - 08W12\_NP234.zip** (highlighted)
  - 08W12nm1414-1558-1.zip
  - 08W12nm1414-1558-2A.zip
  - 08W12nm1414-1558-2B.zip
  - 08W12nm1414-1558-2C.zip
  - 08W12nm1414-1558-3.zip
  - 08W12TR1416-1450.zip
  - 08W12TR1451-1480.zip
  - 08W12TR1481-1520.zip
  - 08W12TR1521-1558.zip
  - 08W13\_INDEX\_11.zip
  - 08W13\_NP234.zip
  - 08W13nm1559-1684-1.zip
  - 08W13nm1559-1684-2A.zip
  - 08W13nm1559-1684-2B.zip
  - 08W13nm1559-1684-2C.zip
  - 08W13nm1559-1684-3.zip
  - 08W13TR1559-1594.zip
  - 08W13TR1605-1620.zip
  - 08W13TR1646-1649.zip

The document on the right is titled "ADMIRALTY NOTICES TO MARINERS" and includes a nautical chart and a table of notices. The table lists various notices with their dates and descriptions.

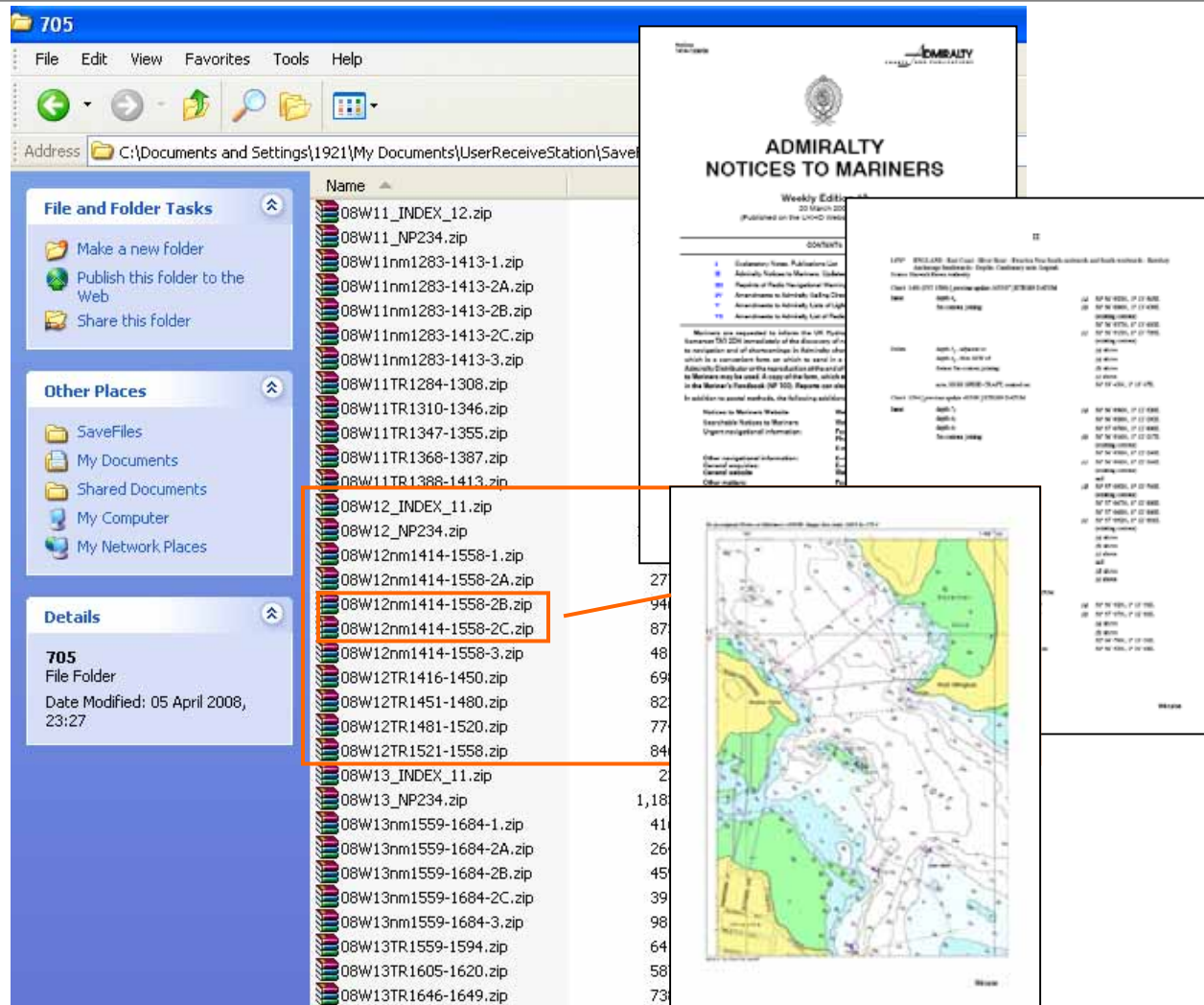
# Accessing files



The screenshot shows a Windows Explorer window with the address bar set to `C:\Documents and Settings\1921\My Documents\UserReceiveStation\Saved`. The file list contains numerous zip files, with `08W12nm1414-1558-2A.zip` highlighted by an orange box. To the right, a preview pane displays an Admiralty Notice to Mariners. The notice is titled "ADMIRALTY NOTICES TO MARINERS" and "Weekly Edition 20 March 2008". It includes a table of notices with columns for notice number, date, and status. A red arrow points from the highlighted file in the list to the corresponding notice in the preview pane. Below the notice, a nautical chart is visible, showing a coastal area with various navigational markers and depth soundings.

Notice	Date	Status
08W12nm1414-1558-2A	27	94
08W12nm1414-1558-2B	87	48
08W12nm1414-1558-2C	69	82
08W12TR1451-1480	77	84
08W12TR1481-1520	2	1,18
08W12TR1521-1558	41	26
08W13nm1559-1684-1	45	39
08W13nm1559-1684-2A	98	64
08W13nm1559-1684-2B	58	73
08W13nm1559-1684-2C		
08W13nm1559-1684-3		
08W13TR1559-1594		
08W13TR1605-1620		
08W13TR1646-1649		

# Accessing files



The screenshot shows a Windows Explorer window with the following details:

- Address:** C:\Documents and Settings\1921\My Documents\UserReceiveStation\Save
- File List:**

Name	Size
08W11_INDEX_12.zip	27
08W11_NP234.zip	1,18
08W11nm1283-1413-1.zip	41
08W11nm1283-1413-2A.zip	26
08W11nm1283-1413-2B.zip	45
08W11nm1283-1413-2C.zip	39
08W11nm1283-1413-3.zip	98
08W11TR1284-1308.zip	64
08W11TR1310-1346.zip	58
08W11TR1347-1355.zip	73
08W11TR1368-1387.zip	
08W11TR1388-1413.zip	
08W12_INDEX_11.zip	27
08W12_NP234.zip	94
08W12nm1414-1558-1.zip	87
08W12nm1414-1558-2A.zip	48
08W12nm1414-1558-2B.zip	69
08W12nm1414-1558-2C.zip	82
08W12nm1414-1558-3.zip	77
08W12TR1416-1450.zip	84
08W12TR1451-1480.zip	2
08W12TR1481-1520.zip	1,18
08W12TR1521-1558.zip	41
08W13_INDEX_11.zip	26
08W13_NP234.zip	45
08W13nm1559-1684-1.zip	39
08W13nm1559-1684-2A.zip	98
08W13nm1559-1684-2B.zip	64
08W13nm1559-1684-2C.zip	58
08W13nm1559-1684-3.zip	73
08W13TR1559-1594.zip	
08W13TR1605-1620.zip	
08W13TR1646-1649.zip	

The previewed document is titled "ADMIRALTY NOTICES TO MARINERS" and includes a table of contents with the following entries:

Section	Page
Customer's Name, Publications List	1
Admiralty Notices to Mariners, Tables	2
Records of Publications Issued	3
Announcements to Admiralty, List of Flags	4
Announcements to Admiralty, List of Flags	5
Announcements to Admiralty, List of Flags	6
Announcements to Admiralty, List of Flags	7
Announcements to Admiralty, List of Flags	8
Announcements to Admiralty, List of Flags	9
Announcements to Admiralty, List of Flags	10
Announcements to Admiralty, List of Flags	11
Announcements to Admiralty, List of Flags	12
Announcements to Admiralty, List of Flags	13
Announcements to Admiralty, List of Flags	14
Announcements to Admiralty, List of Flags	15
Announcements to Admiralty, List of Flags	16
Announcements to Admiralty, List of Flags	17
Announcements to Admiralty, List of Flags	18
Announcements to Admiralty, List of Flags	19
Announcements to Admiralty, List of Flags	20
Announcements to Admiralty, List of Flags	21
Announcements to Admiralty, List of Flags	22
Announcements to Admiralty, List of Flags	23
Announcements to Admiralty, List of Flags	24
Announcements to Admiralty, List of Flags	25
Announcements to Admiralty, List of Flags	26
Announcements to Admiralty, List of Flags	27
Announcements to Admiralty, List of Flags	28
Announcements to Admiralty, List of Flags	29
Announcements to Admiralty, List of Flags	30
Announcements to Admiralty, List of Flags	31
Announcements to Admiralty, List of Flags	32
Announcements to Admiralty, List of Flags	33
Announcements to Admiralty, List of Flags	34
Announcements to Admiralty, List of Flags	35
Announcements to Admiralty, List of Flags	36
Announcements to Admiralty, List of Flags	37
Announcements to Admiralty, List of Flags	38
Announcements to Admiralty, List of Flags	39
Announcements to Admiralty, List of Flags	40
Announcements to Admiralty, List of Flags	41
Announcements to Admiralty, List of Flags	42
Announcements to Admiralty, List of Flags	43
Announcements to Admiralty, List of Flags	44
Announcements to Admiralty, List of Flags	45
Announcements to Admiralty, List of Flags	46
Announcements to Admiralty, List of Flags	47
Announcements to Admiralty, List of Flags	48
Announcements to Admiralty, List of Flags	49
Announcements to Admiralty, List of Flags	50
Announcements to Admiralty, List of Flags	51
Announcements to Admiralty, List of Flags	52
Announcements to Admiralty, List of Flags	53
Announcements to Admiralty, List of Flags	54
Announcements to Admiralty, List of Flags	55
Announcements to Admiralty, List of Flags	56
Announcements to Admiralty, List of Flags	57
Announcements to Admiralty, List of Flags	58
Announcements to Admiralty, List of Flags	59
Announcements to Admiralty, List of Flags	60
Announcements to Admiralty, List of Flags	61
Announcements to Admiralty, List of Flags	62
Announcements to Admiralty, List of Flags	63
Announcements to Admiralty, List of Flags	64
Announcements to Admiralty, List of Flags	65
Announcements to Admiralty, List of Flags	66
Announcements to Admiralty, List of Flags	67
Announcements to Admiralty, List of Flags	68
Announcements to Admiralty, List of Flags	69
Announcements to Admiralty, List of Flags	70
Announcements to Admiralty, List of Flags	71
Announcements to Admiralty, List of Flags	72
Announcements to Admiralty, List of Flags	73
Announcements to Admiralty, List of Flags	74
Announcements to Admiralty, List of Flags	75
Announcements to Admiralty, List of Flags	76
Announcements to Admiralty, List of Flags	77
Announcements to Admiralty, List of Flags	78
Announcements to Admiralty, List of Flags	79
Announcements to Admiralty, List of Flags	80
Announcements to Admiralty, List of Flags	81
Announcements to Admiralty, List of Flags	82
Announcements to Admiralty, List of Flags	83
Announcements to Admiralty, List of Flags	84
Announcements to Admiralty, List of Flags	85
Announcements to Admiralty, List of Flags	86
Announcements to Admiralty, List of Flags	87
Announcements to Admiralty, List of Flags	88
Announcements to Admiralty, List of Flags	89
Announcements to Admiralty, List of Flags	90
Announcements to Admiralty, List of Flags	91
Announcements to Admiralty, List of Flags	92
Announcements to Admiralty, List of Flags	93
Announcements to Admiralty, List of Flags	94
Announcements to Admiralty, List of Flags	95
Announcements to Admiralty, List of Flags	96
Announcements to Admiralty, List of Flags	97
Announcements to Admiralty, List of Flags	98
Announcements to Admiralty, List of Flags	99
Announcements to Admiralty, List of Flags	100

# Accessing files



**File and Folder Tasks**

- Make a new folder
- Publish this folder to the Web
- Share this folder

**Other Places**

- SaveFiles
- My Documents
- Shared Documents
- My Computer
- My Network Places

**Details**

**705**  
File Folder  
Date Modified: 05 April 2008, 23:27

Name	Size	Type	Modified
08W11_INDEX_12.zip		WinRAR ZIP archive	
08W11_NP234.zip		WinRAR ZIP archive	
08W11nm1283-1413-1.zip		WinRAR ZIP archive	
08W11nm1283-1413-2A.zip		WinRAR ZIP archive	
08W11nm1283-1413-2B.zip		WinRAR ZIP archive	
08W11nm1283-1413-2C.zip		WinRAR ZIP archive	
08W11nm1283-1413-3.zip		WinRAR ZIP archive	
08W11TR1284-1308.zip		WinRAR ZIP archive	
08W11TR1310-1346.zip		WinRAR ZIP archive	
08W11TR1347-1355.zip		WinRAR ZIP archive	
08W11TR1368-1387.zip		WinRAR ZIP archive	
08W11TR1388-1413.zip		WinRAR ZIP archive	
08W12_INDEX_11.zip		WinRAR ZIP archive	
08W12_NP234.zip		WinRAR ZIP archive	
08W12nm1414-1558-1.zip		WinRAR ZIP archive	
08W12nm1414-1558-2A.zip		WinRAR ZIP archive	
08W12nm1414-1558-2B.zip		WinRAR ZIP archive	
08W12nm1414-1558-2C.zip		WinRAR ZIP archive	
08W12nm1414-1558-3.zip		WinRAR ZIP archive	
08W12TR1416-1450.zip		WinRAR ZIP archive	
08W12TR1451-1480.zip		WinRAR ZIP archive	
08W12TR1481-1520.zip		WinRAR ZIP archive	
08W12TR1521-1558.zip		WinRAR ZIP archive	
08W13_INDEX_11.zip		WinRAR ZIP archive	
08W13_NP234.zip		WinRAR ZIP archive	
08W13nm1559-1684-1.zip		WinRAR ZIP archive	
08W13nm1559-1684-2A.zip		WinRAR ZIP archive	
08W13nm1559-1684-2B.zip		WinRAR ZIP archive	
08W13nm1559-1684-2C.zip		WinRAR ZIP archive	
08W13nm1559-1684-3.zip		WinRAR ZIP archive	
08W13TR1559-1594.zip		WinRAR ZIP archive	
08W13TR1605-1620.zip		WinRAR ZIP archive	
08W13TR1646-1649.zip		WinRAR ZIP archive	

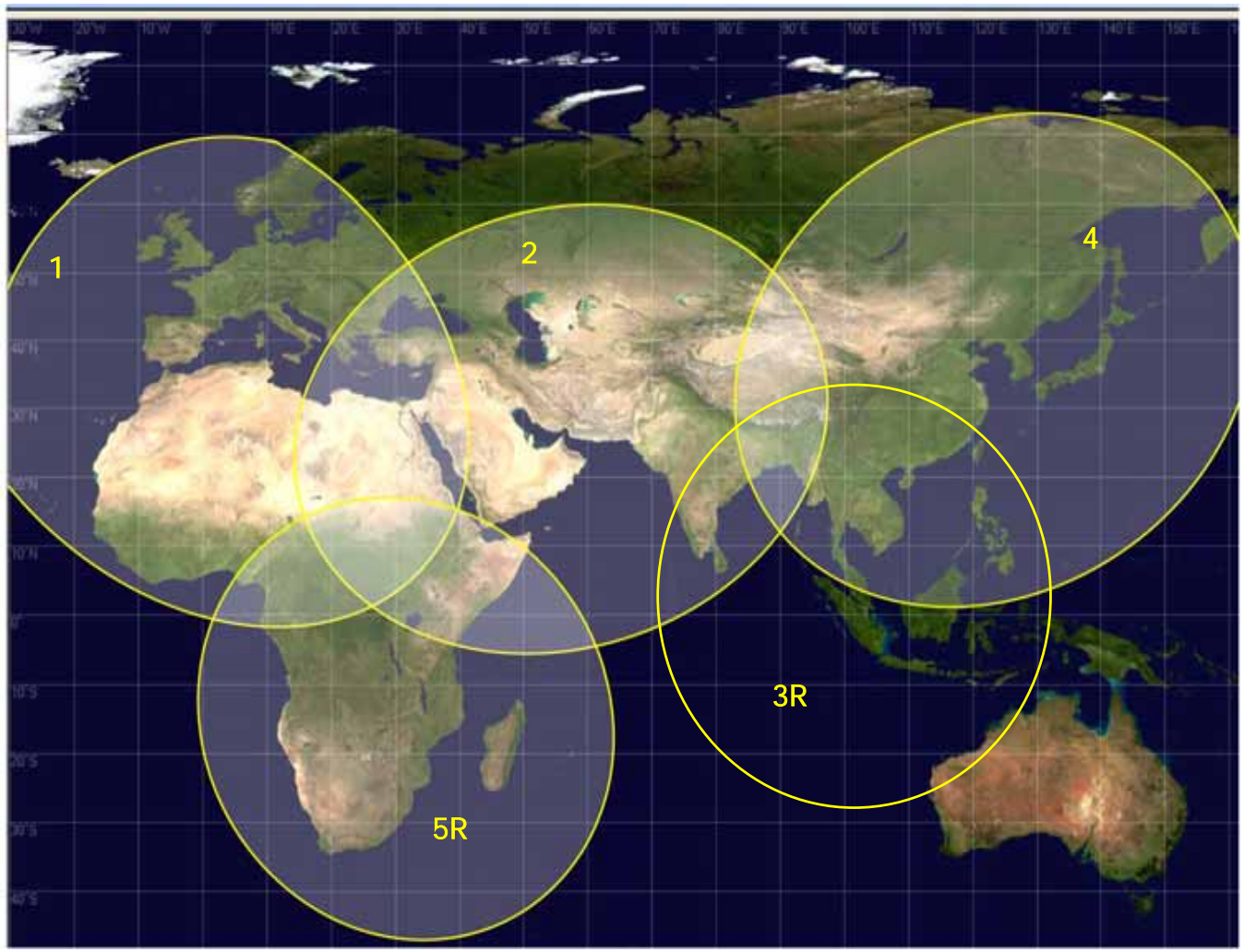
Folio	NM	Previous Update	Chart No
86	1453 /08	820/07	463
81	1452 /08	1127 / 08	2850
73	1462 /08	475 /08	1436

Size	Type	Modified
1,183 KB	WinRAR ZIP archive	
416 KB	WinRAR ZIP archive	
264 KB	WinRAR ZIP archive	
459 KB	WinRAR ZIP archive	
391 KB	WinRAR ZIP archive	
981 KB	WinRAR ZIP archive	31/03/2008 11:32
641 KB	WinRAR ZIP archive	31/03/2008 11:38
587 KB	WinRAR ZIP archive	31/03/2008 11:43
738 KB	WinRAR ZIP archive	31/03/2008 11:50

---

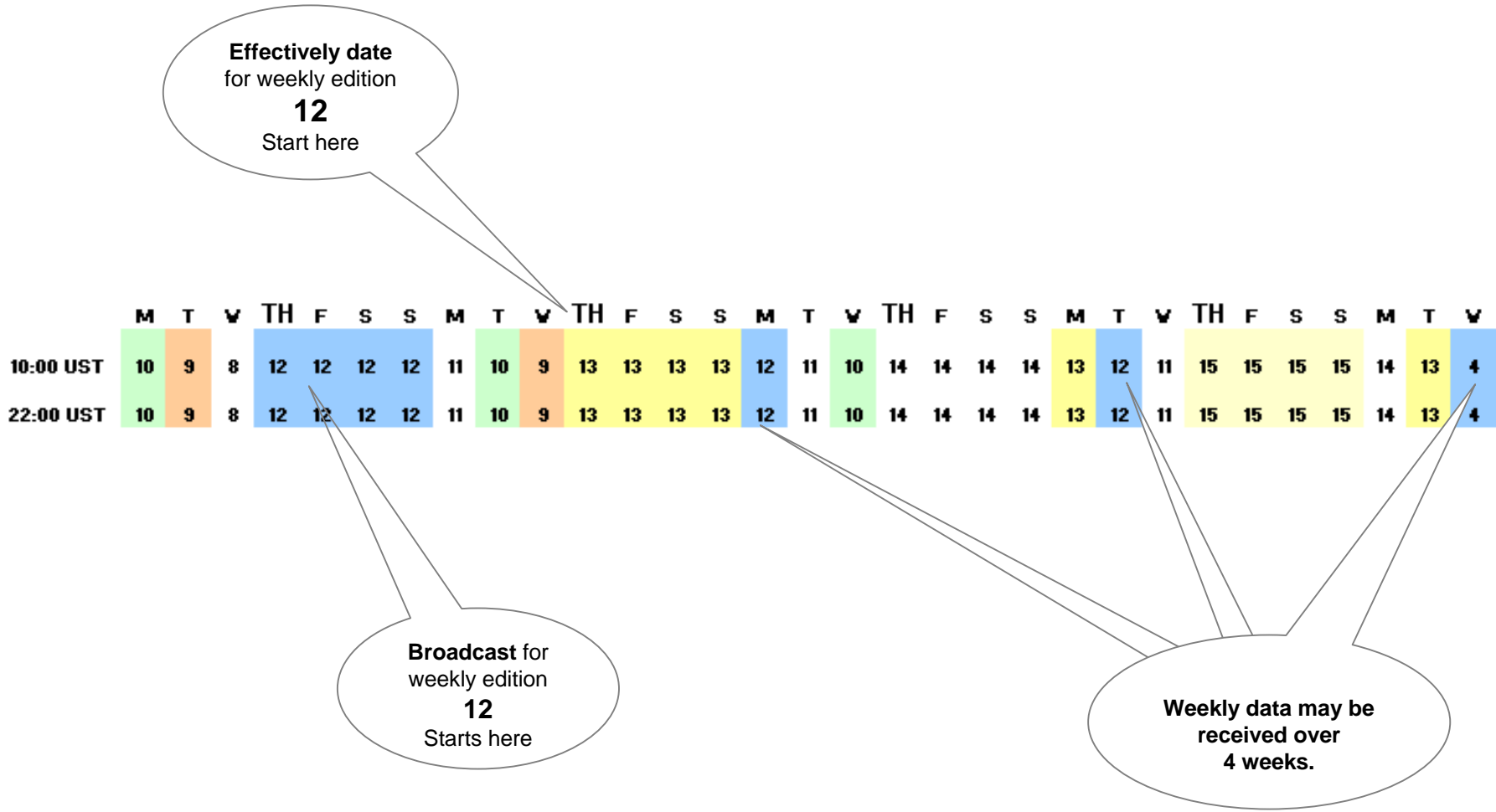
# Broadcasting Coverage & Schedule

# Broadcast Coverage - current



AfriStar 21° E  
AsiaStar 105° E

# NtM Scheduled broadcasts



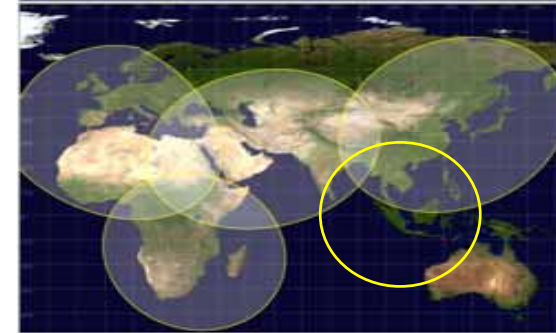
**One hour per week for all the files**

# Service Coverage - Worldwide



## Broadcast

- Fixed price - Europe, Asia, Africa, N. Australia



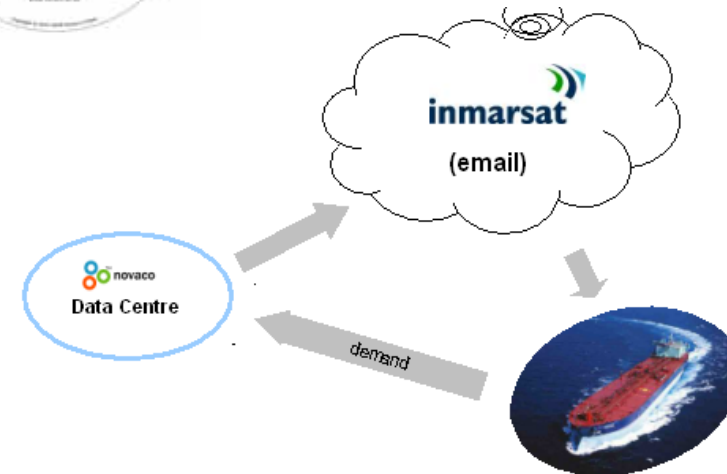
## By CD

- FREE CD option.



## email on-demand (July 08)

- Complete NtM corrections
- Data condensing
- “User selectable” updates on demand



# Novaco Bridge (available July 08)

# Novaco Bridge (available July 08)



Novaco Bridge - licensed to M/T Bergen Star

File Options Help

Edition: 2007/15 ⚠

M/T Bergen Star

Chart Correction Data Notice to Mariners Search

Select Charts from the Catalogue or Import from File

Import charts from:  Import

Charts Catalogue

Chart Number	Edition	Title	Scale
105	2007/08/11	Falmouth Inner harbour	15,000
106	2007/06/25	Ports of the South Sea	15,000
107	2003/03/25	Approaches to River Xkspe	75,000
108	2003/03/25	Moray Firth	25,000
109	1992/03/25	Approaches to Walsh Harp	65,000
110	1989/05/12	Cadiz	65,000
111	1996/02/13	Cromer and Smith	40,000
105	2007/08/11	Falmouth Inner harbour	15,000
106	2007/06/25	Ports of the South Sea	15,000
107	2003/03/25	Approaches to River Xkspe	75,000
108	2003/03/25	Moray Firth	25,000
109	1992/03/25	Approaches to Walsh Harp	65,000
110	1989/05/12	Cadiz	65,000
111	1996/02/13	Cromer and Smith	40,000
105	2007/08/11	Falmouth Inner harbour	15,000
106	2007/06/25	Ports of the South Sea	15,000
107	2003/03/25	Approaches to River Xkspe	75,000
108	2003/03/25	Moray Firth	25,000
109	1992/03/25	Approaches to Walsh Harp	65,000
110	1989/05/12	Cadiz	65,000
111	1996/02/13	Cromer and Smith	40,000

Save Selected

Selected Charts

Chart Number	Edition	Title	Scale
110	1989/05/12	Cadiz	65,000

Add >

< Remove

<< Remove All

Start Year 2007 Week 10 Calendar

# Select Charts – Create Folios



Novaco Bridge - licensed to M/T Bergen Star

File Options Help

Edition: 2007/15

M/T Bergen Star

Chart Correction Data Notice to Mariners Search

Select Charts from the Catalogue or Import from File

Import charts from:  Import

Out of date & invalid charts are shown in red

Charts Catalogue

Chart Number	Edition	Title	Scale
105	2007/08/11	Falmouth Inner harbour	15,000
106	2007/06/25	Ports of the South Sea	15,000
107	2003/03/25	Approaches to River Xkspe	75,000
108	2003/03/25	Moray Firth	25,000
109	1992/03/25	Approaches to Walsh Harp	65,000
110	1989/05/12	Cadiz	65,000
111	1996/02/13	Cromer and Smith	40,000
105	2007/08/11	Falmouth Inner harbour	15,000
106	2007/06/25	Ports of the South Sea	15,000
107	2003/03/25	Approaches to River Xkspe	75,000
108	2003/03/25	Moray Firth	25,000
109	1992/03/25	Approaches to Walsh Harp	65,000
110	1989/05/12	Cadiz	65,000
111	1996/02/13	Cromer and Smith	40,000
105	2007/08/11	Falmouth Inner harbour	15,000
106	2007/06/25	Ports of the South Sea	15,000
107	2003/03/25	Approaches to River Xkspe	75,000
108	2003/03/25	Moray Firth	25,000
109	1992/03/25	Approaches to Walsh Harp	65,000
110	1989/05/12	Cadiz	65,000
111	1996/02/13	Cromer and Smith	40,000

Save Selected

Add >

< Remove

<< Remove All

Selected Charts

Chart Number	Edition	Title	Scale
105	2007/08/11	Falmouth Inner harbour	15,000
106	2007/06/25	Ports of the South Sea	15,000
107	2003/03/25	Approaches to River Xkspe	75,000
108	2003/03/25	Moray Firth	25,000
109	1992/03/25	Approaches to Walsh Harp	65,000
110	1989/05/12	Cadiz	65,000
111	1996/02/13	Cromer and Smith	40,000

Start Year 2007 Week 10 Calendar

# Create Correction List



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File Options Help

Edition: 2007/15 M/T Bergen Star

Chart Correction Data Notice to Mariners Search

Select Charts from t

Charts Catalogue

Chart Number	Edition
105	2007/08/11
106	2007/06/25
107	2003/03/25
108	2003/03/25
109	1992/03/25
110	1989/05/12
111	1996/02/13
105	2007/08/11
106	2007/06/25
107	2003/03/25
108	2003/03/25
109	1992/03/25
110	1989/05/12
111	1996/02/13
105	2007/08/11
106	2007/06/25
107	2003/03/25
108	2003/03/25
109	1992/03/25
110	1989/05/12
111	1996/02/13

Import

own in red

	Scale
ur	15,000
a	15,000
kspe	75,000
	25,000
Harp	65,000
	65,000
	40,000

Corrections List

File Name: user Specified (or see filename in inserted charts list)

From Week: 25/2007  
To Week: 25/2007

Chart Correction List

Chart	Chart Title & Edition Number	Corrections	Completed
3469	Winnipeg Shoals to Lacrosse Shoals including Serial Release, Aug 02	42204-42207(01), 42208(01), 42209(01), 42210(01), 42211(01), 42212(01), 42213(01), 42214(01), 42215(01), 42216(01), 42217(01), 42218(01), 42219(01), 42220(01)	<input type="checkbox"/>
3483	Navigation to Perakulua Lighthouse, Mar 02	42264-42267(01), 42268(01)	<input type="checkbox"/>
3487	Winnipeg and Carleton Place, Apr 02	42269-42272(01), 42273(01), 42274(01), 42275(01), 42276(01), 42277(01), 42278(01), 42279(01), 42280(01), 42281(01), 42282(01), 42283(01), 42284(01), 42285(01), 42286(01), 42287(01), 42288(01), 42289(01), 42290(01), 42291(01), 42292(01), 42293(01), 42294(01), 42295(01), 42296(01), 42297(01), 42298(01), 42299(01), 42300(01)	<input type="checkbox"/>
3488	Sung Tai Sun to Hong Kong, Oct 01	42301-42304(01), 42305(01), 42306(01), 42307(01), 42308(01), 42309(01), 42310(01), 42311(01), 42312(01), 42313(01), 42314(01), 42315(01), 42316(01), 42317(01), 42318(01), 42319(01), 42320(01), 42321(01), 42322(01), 42323(01), 42324(01), 42325(01), 42326(01), 42327(01), 42328(01), 42329(01), 42330(01)	<input type="checkbox"/>

Vessel Name: \_\_\_\_\_ Completed by: \_\_\_\_\_ Date: \_\_\_\_\_

< Back   1 of 1   >

Start Year 2007 Week 10 Calendar

# Blocks



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File Options Help

Edition: 2007/15

M/T Bergen Star

Chart Correction Data Notice to Mariners Search

Select Charts from t

Charts Catalogue

Chart Number	Edition
105	2007/08/11
106	2007/06/25
107	2003/03/25
108	2003/03/25
109	1992/03/25
110	1989/05/12
111	1996/02/13
105	2007/08/11
106	2007/06/25
107	2003/03/25
108	2003/03/25
109	1992/03/25
110	1989/05/12
111	1996/02/13
105	2007/08/11
106	2007/06/25
107	2003/03/25
108	2003/03/25
109	1992/03/25
110	1989/05/12
111	1996/02/13

Correction Blocks & Notes

To accompany Notice to Mariners 2482-07. Image Size (mm) 57.8 by 38.2

To accompany Notice to Mariners 2482-07. Image Size (mm) 113.6 by 73.5

Scale

Scale
15,000
15,000
75,000
25,000
65,000
65,000
40,000

Start Year 2007 Week 10

Calendar

# Tracings



Novaco Bridge - licensed to M/T Bergen Star

File Options Help

Edition: 2007/15

M/T Bergen Star

Chart Correction Data

Correction Tracings

Select Charts

Charts Catalogue

Chart Number	Edition
105	2007/06
106	2007/06
107	2003/03
108	2003/03
109	1992/03
110	1989/05
111	1996/02
105	2007/06
106	2007/06
107	2003/03
108	2003/03
109	1992/03
110	1989/05
111	1996/02
105	2007/06
106	2007/06
107	2003/03
108	2003/03
109	1992/03
110	1989/05
111	1996/02

Folio 95 NM 2957 /07 Chart No 544

Previous Update 5103 /06

NC/NE OCT 83

27° 30'

45° 30'

Caution: some computer printers might distort the tracings. Users are advised to check and, if necessary, adjust settings on their printer.

Folio 89 NM 2958 /07 Chart No 544

Previous Update 1508 /07

115° 45'

Caution: some computer printers might distort the tracings. Users are advised to check and, if necessary, adjust settings on their printer.

Load Tracing Paper

Continue

< Back 1 of 8 >

Import

are shown in red

Title	Scale
harbour	15,000
th Sea	15,000
River Xkspe	75,000
	25,000
Wahk Hags	65,000
	65,000
	40,000

Calendar

# Notices



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File Options Help

Edition: 2007/15 ⚠

M/T Bergen Star

Chart Correction Data Notice to Mariners Search

Select Charts from

Charts Catalogue

Chart Number	Edition
105	2007/08/11
106	2007/06/25
107	2003/03/25
108	2003/03/25
109	1992/03/25
110	1989/05/12
111	1996/02/13
105	2007/08/11
106	2007/06/25
107	2003/03/25
108	2003/03/25
109	1992/03/25
110	1989/05/12
111	1996/02/13
105	2007/08/11
106	2007/06/25
107	2003/03/25
108	2003/03/25
109	1992/03/25
110	1989/05/12
111	1996/02/13

Correction Blocks & Notes

5471 GERMANY — Newwerk Northwards — Grosser Vaghalnd East north eastwards — Feol.

Source: German Notice 43(2)44/06

Chart 1875 [previous update 4687/2006] WGS84 DATUM

Isort: .. 54° 01' 43N 8° 32' 37E

Isort: .. 54° 01' 43N 8° 32' 37E

Chart 2619 (INT 1452) [previous update 3238/2006] WGS84 DATUM

Isort: .. 54° 01' 43N 8° 32' 37E

Isort: .. 54° 01' 43N 8° 32' 37E

5422 DENMARK — Alboek Bugt — Skagen — Works. Legend.

Source: Danish Notice 41/352/06

Chart 2197 (INT 1301) (plan B, Skagen) [previous update 4766/2006] WGS84 DATUM

Isort: .. 57° 42' 04N 10° 34' 430E (W head)

Isort: .. 57° 42' 774N 10° 34' 052E (W head)

Isort: .. 57° 42' 774N 10° 35' 012E (shore)

Isort: .. 57° 42' 052N 10° 55' 478E (shore)

Isort: .. 57° 42' 62N 10° 55' 00E (shore)

Isort: .. 57° 42' 62N 10° 55' 00E (shore)

Legend. Under construction (2006), created on: 57° 42' 62N 10° 55' 00E

Scale

Scale
15,000
15,000
75,000
25,000
65,000
65,000
40,000

Start Year 2007 Week 10 Calendar

# Updating options

## Broadcast

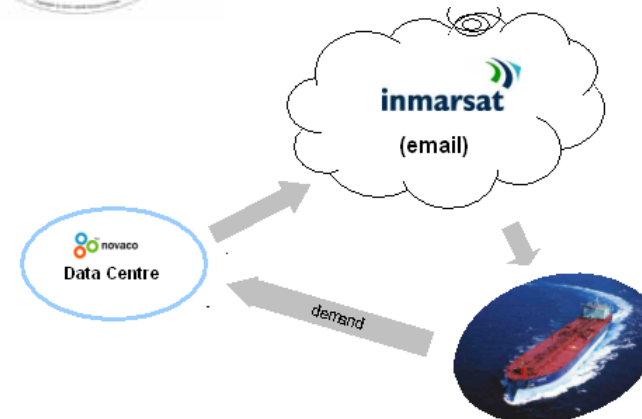
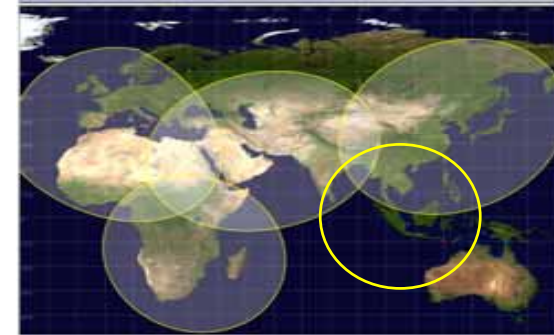
- Fixed price - Europe, Asia, Africa, N. Australia

## By CD

- FREE CD option.

## email on-demand (July 08)

- Complete NtM corrections
- Data condensing
- “User selectable” updates-on-demand



# Novaco “at a glance”



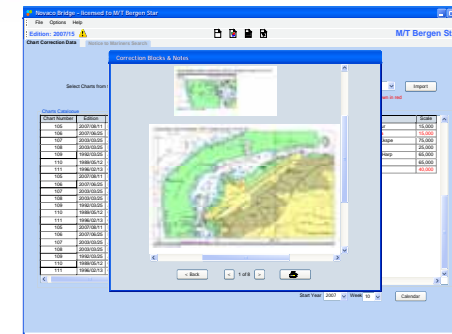
## Electronic Courier Service

- Documents directly to you PC
- Independent from ship's infrastructure



## Management tools

- Productivity tools for the bridge
- Independence of operation



## Growing Content

- Progressive growth of content



**it's Simple – it Works – it's Growing**

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