

Geodetic Data Archive Facility – ASI (Italian Space Agency) Local Data Centre F. Vespe - Agenzia Spaziale Italiana – Centro di Geodesia Spaziale, Matera (Italy) G. Colucci – e-GEOS S.p.A – Centro di Geodesia Spaziale, Matera (Italy)

GeoDAF has been IGS/EUREF Local Data Centre since 1999. Mainly it manages rinex files from the Italian GPS stations (not only IGS/EUREF ones) and it acts as LDC for some Greek stations too.

The screenshot displays the GeoDAF web interface. On the left, there is a directory listing for 'Directory FTP /GEOD/GPSD in geodaf.mt.asi.it' with columns for date, time, and directory name. On the right, there is a 'GPS Data' section with a 'Ratio of complete to possible observations (%) (TEOC QC output)' line graph. The graph shows data points for various months from March 2007 to January 2008, with a legend indicating different data series for various locations like Liguria, Cagliari, Casentino, etc.

PROCESSED FILES				
From 01/10/07 to 28/01/08				
Type	Total		Daily Average	
	MBytes	Files	MBytes	Files
Daily	1407	10336	47.4	349
Hourly	4542.5	171598	152.9	5769
Sub-h	757.9	23022	25.5	774
Glou_D	15.7	780	0.4	26
Glou_H	41.9	20766	1.4	698
SLR_EOP	0	17	0	0
GEO_SOL	6.7	49	0.3	1
TRO_SOL	4.1	119	0	4
GEO_COOR	0	17	0	0
TEC_MAP	5.6	118	0	4
ROSP_MLRO	28.3	1916	1	67
ATMO	1445.9	194728	48.6	6528
ATMOxTOUGH	250.3	33048	8.3	1099
AD_MON	12.2	726	0.4	25
METEO	291	5550	9.9	187
TIMING	79.5	14470	2.6	486
DAILY_R	16.5	131	0.6	4
DAILY_F	16.4	112	0.6	4
TEMP	5.8	1	0.2	0
Total	8927.3	477504	300.1	16025

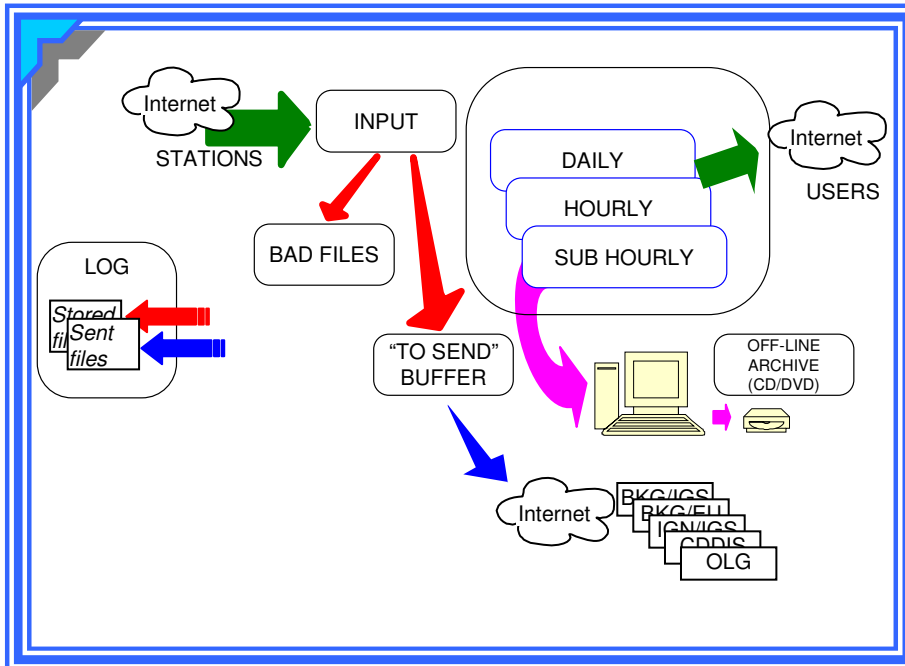
Summary by Month				
Month	Daily Avg Files	Sites	Monthly Totals	
			KBytes	Files
gen-08	5,868	150	12,342,619	170,185
dic-07	7,278	140	13,854,000	225,619
nov-07	7,649	185	18,713,074	229,482
ott-07	8,987	172	20,256,262	278,625
Totals			65,165,955	903,911

Files distributed (by FTP only)

Files received and "published"

GPS Data Files go to FTP Server. Other files are mainly Analysis Products. They are used to automatically update Web pages.

The pie chart shows the usage of files by country for March 2008. The legend includes: Italy (42%), Switzerland (32%), US Educational (18%), Belgium (18%), France (18%), Spain (18%), Germany (18%), Unresolved/Unknown (1%), United Kingdom (1%), and Czech Republic (1%).



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http://geodaf.mt.asi.it/geodaf/logs/2008113log.txt - Microsoft Internet Explorer
File Modifica Visualizza Preferiti Strumenti 2
Indirizzo http://geodaf.mt.asi.it/geodaf/logs/2008113log.txt
Google
22/04/08 00:11:27 F 4 0 unfe112x.08g.2 37978 22/04/08 00:05:46 OK
22/04/08 00:11:27 F 5 0 bzrg112x.08g.2 2820 22/04/08 00:06:17 OK
22/04/08 00:11:27 F 5 0 m0ae112x.08g.2 3160 22/04/08 00:05:43 OK
22/04/08 00:11:29 C --- ----- End geodaf01 FID=31770 DOY=113 SEC=86 FILES=30
22/04/08 00:18:01 C --- ----- Start geodaf01 FID=12893 DOY=113
22/04/08 00:18:11 F 1 0 ocom1120.08d.2 363972 22/04/08 00:10:20 OK
22/04/08 00:18:11 F 1 0 ocom1120.08n.2 22996 22/04/08 00:10:21 OK
22/04/08 00:18:11 F 1 0 novai120.08d.2 298225 22/04/08 00:15:30 OK
22/04/08 00:18:11 F 1 0 novai120.08n.2 96110 22/04/08 00:15:31 OK
22/04/08 00:18:11 F 1 0 novai120.08s.2 8197 22/04/08 00:15:31 OK
22/04/08 00:18:11 F 1 0 prai1120.08d.2 255302 22/04/08 00:15:07 OK
22/04/08 00:18:11 F 1 0 prai1120.08n.2 33660 22/04/08 00:15:07 OK
22/04/08 00:18:11 F 2 0 cag112x.08d.2 569645 22/04/08 00:16:29 OK
22/04/08 00:18:11 F 2 0 cag112x.08n.2 5162 22/04/08 00:16:22 OK
22/04/08 00:18:11 F 2 0 cag112x.08s.2 2488 22/04/08 00:16:22 OK
22/04/08 00:18:11 F 3 0 mae113a00.08d.2 63807 22/04/08 00:17:28 OK
22/04/08 00:18:11 F 3 0 mae113a00.08n.2 8476 22/04/08 00:17:28 OK
22/04/08 00:18:11 F 4 0 ocom1120.08g.2 10044 22/04/08 00:10:20 OK
22/04/08 00:18:11 F 5 0 cag112x.08g.2 1354 22/04/08 00:16:21 OK
22/04/08 00:18:11 F 16 0 TIME_STAT.TXT 315 22/04/08 00:17:18 OK
22/04/08 00:18:13 C --- ----- End geodaf01 FID=12893 DOY=113 SEC=13 FILES=15
22/04/08 00:33:01 C --- ----- Start geodaf01 FID=15847 DOY=113
22/04/08 00:33:12 F 1 0 cag11120.08d.2 335685 22/04/08 00:20:31 OK
22/04/08 00:33:12 F 1 0 cao11120.08n.2 33783 22/04/08 00:20:31 OK
Operazione completata
  
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“Received” files Log

“Sent” files Log

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http://geodaf.mt.asi.it/geodaf/logs/2008113ftp.txt - Microsoft Internet Explorer
File Modifica Visualizza Preferiti Strumenti 2
Indirizzo http://geodaf.mt.asi.it/geodaf/logs/2008113ftp.txt
Google
22/04/08 00:11:01 C --- ----- Start geodaf02 FID=3231 DOY=113
22/04/08 00:11:01 C --- ----- End geodaf02 FID=3231 DOY=113
22/04/08 00:11:05 F 6 0 mae112x45.08d.2 64041 OK
22/04/08 00:11:05 F 6 0 mae112x45.08n.2 6687 OK
22/04/08 00:11:05 C --- ----- End geodaf02 FID=3231 DOY=113 GRP=6 SEC=4 FILES=2
22/04/08 00:11:01 C --- ----- Start geodaf02 FID=3284 DOY=113
22/04/08 00:11:02 C --- ----- End geodaf02 FID=3284 DOY=113
22/04/08 00:11:02 C --- ----- Start geodaf02 FID=3284 DOY=113 GRP=7 SEC=7 FILES=2
22/04/08 00:11:02 C --- ----- End geodaf02 FID=3284 DOY=113 GRP=7 SEC=7 FILES=2
22/04/08 00:10:57 C --- ----- Start geodaf02 FID=2447 DOY=113
22/04/08 00:10:57 C --- ----- End geodaf02 FID=2447 DOY=113
22/04/08 00:10:57 C --- ----- Start geodaf02 FID=2447 DOY=113 GRP=2 SEC=4 FILES=2
22/04/08 00:10:57 C --- ----- End geodaf02 FID=2447 DOY=113 GRP=2 SEC=4 FILES=2
22/04/08 00:11:11 F 2 0 cag1112x.08d.2 16934 OK
22/04/08 00:11:11 F 2 0 cag1112x.08n.2 6749 OK
22/04/08 00:11:11 F 2 0 geno112x.08d.2 16281 OK
22/04/08 00:11:11 F 2 0 geno112x.08n.2 6837 OK
22/04/08 00:11:11 F 2 0 leng112x.08d.2 18058 OK
22/04/08 00:11:11 F 2 0 leng112x.08n.2 2666 OK
22/04/08 00:11:11 F 2 0 mae1112x.08d.2 20387 OK
22/04/08 00:11:11 F 2 0 mae1112x.08g.2 195 OK
22/04/08 00:11:11 F 2 0 mae1112x.08n.2 8582 OK
22/04/08 00:11:11 F 2 0 mae112x.08d.2 14419 OK
22/04/08 00:11:11 F 2 0 mae112x.08n.2 1272 OK
22/04/08 00:11:11 F 2 0 mae112x.08s.2 888 OK
Operazione completata
  
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- System: HP E60 Server (Linux Red Hat)
- Web Server: Apache
- FTP Server: VSFTP
- Migration to new server is in progress
 - ❖ DELL PowerEdge 2900
 - ❖ 2 x Intel Xeon Dual-Core 2.0GHZ/4MB/1333 MHz 5130
 - ❖ 4 GB DDR2 ECC Fully Buffered FSB 667 MHz (2x2GB)
 - ❖ 2 x 300 GB SAS 10k rpm Hot Swap - 3,5"
 - ❖ Red Hat Linux 4 ES
- Designed to run services unattended
- Data flow (red and blue arrows), including log file updates, validity checks, etc., are managed by Bash Shell Scripts (approx 4000 lines of code)
- Transfers to off-line PC are performed automatically on daily base
- Files to be sent to RDC/GDC remain into buffer up to the time of successfully transfers (for automated fail safe operations)



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