



METCAPPLUS

Meteorological Communication and Application Package

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2020



Outlines

- What is MetcapPlus?
- Data types and source
- Archiving and Data Access
- Preparing Meteorological Maps
- Combination of Meteorological Maps
- Image Viewer
- Weather Monitoring
- SkewT diagram
- Station Database
- Aviation Products
- Warnings
- Documentation
- Misc. Applications
- Survey on MetcapPlus
- What can the managers see if the use MetcapPlus?



METCAPPLUS

METeorological Communication & Application Package

- ✓ Development started in 1992.
- ✓ Purpose of the the project was replacing telex with Telephone
- ✓ Map plotting module was added later.
- ✓ Second and third versions developed 1996 and 2005 respectively
- ✓ MetcapPlus Beta version completed 2010
- ✓ Completely developed by TSMS Staffs.
- ✓ It has been donated to : Azerbaijan, Turkish Republic of Northern Cyprus, Bosnia and Hercegovina, Montenegro, Kazakhstan, Georgia, Belarus, Yemen, India, Afghanistan, **Ukrain (Odessa University), Togo, Turkmenistan, Qatar**
- ✓ The package is in Turkish, English and Russian.



METCAPPLUS Data Sources

The package digest different types of data from different sources.

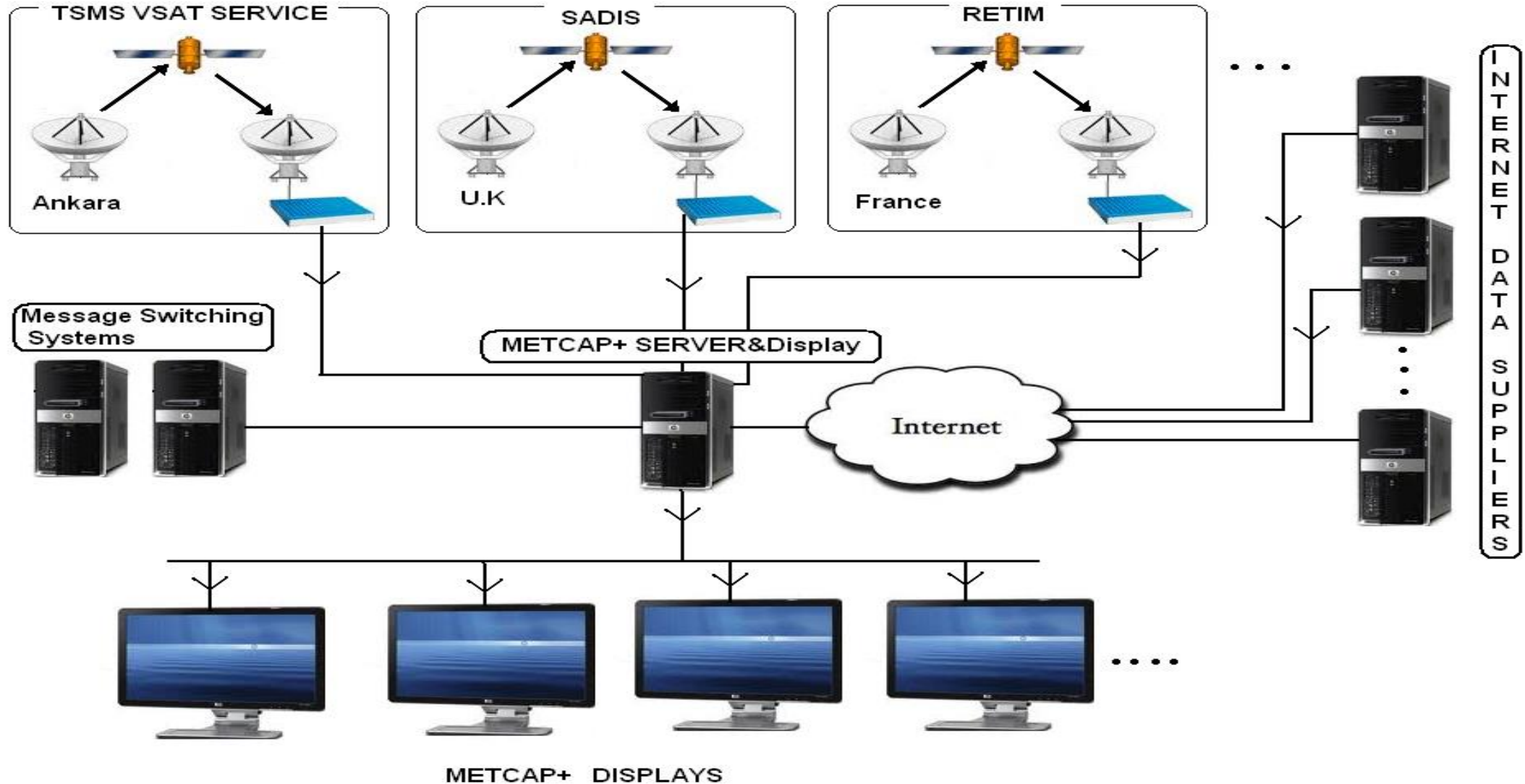
Data Sources

1. Message Switching Systems (MSS)
2. SADIS (Satellite Distribution System – both ftp and satellite)
3. RETIM (Meteo France)
4. NOAA (Public ftp site)
5. Different internet sites

Data Types

1. Traditional Alpha Numerical Codes (TAC)
2. GRIB1 and GRIB2
3. BUFR
4. HDF5 etc

MetcapPlus Data Sources





Archieving and Data Access



- All received data are stored on the disk or external media
- Saving Period is set by the users.
- The package can access old data from external media, TSMS database system and some internet sites.
- It is possible to access actual data
 - By using bulletin headers
 - By using station lists
 - By defining flight folders for the flights



Archiving and Data Access



Bülten Arama

Program Bülten İşlemleri Ayarlar Temizle

Ara Liste Gruplar Temizle Kapat

TTAAii SATU Yıl 2012

CCCC LTAA Ay 11

Tarih Saat

[1 / 12]

SATU20 LTAA 191150

Sakla Yükle Yazdır

SATU20 LTAA 191150

METAR LTAB 191150Z VRB02KT 8000 BKN016 06/02 Q1022 NOSIG RMK RWY06 VRB02KT=

METAR LTAD 191150Z 33004KT 290V020 7000 OVC014 06/02 Q1022 NOSIG RMK RWY06 VRB02KT=

METAR LTAE 191150Z 17003KT 130V240 5000 BR BKN008 06/02 Q1022 NOSIG RMK RWY06 VRB02KT=

METAR LTAG 191150Z NIL=

METAR LTAH 191150Z 10005KT 050V130 3000 BR OVC005 06/02 Q1022 NOSIG RMK RWY06 VRB02KT=

METAR LTAN 191150Z 12004KT 070V210 8000 FEW019 06/02 Q1022 NOSIG RMK RWY06 VRB02KT=

METAR LTAP 191150Z 28004KT 9999 BKN017 09/05 Q1021 NOSIG RMK RWY06 VRB02KT=

METAR LTAT 191150Z 08003KT 9999 FEW040 SCT100 14/06 Q1021 NOSIG RMK RWY06 VRB02KT=

METAR LTAU 191150Z 22006KT 4000 BR BKN013 08/04 Q1021 NOSIG RMK RWY06 VRB02KT=

METAR LTAY 191150Z 08006KT 9999 FEW040 17/06 Q1021 NOSIG RMK RWY06 VRB02KT=

METAR LTBF 191150Z 00000KT 7000 FEW035 SCT200 14/06 Q1021 NOSIG RMK RWY06 VRB02KT=

METAR LTBG 191150Z 01005KT 340V040 CAVOK 15/09 Q1021 NOSIG RMK RWY06 VRB02KT=

METAR LTBI 191150Z 09009KT 060V130 4000 BR OVC005 06/02 Q1022 NOSIG RMK RWY06 VRB02KT=

METAR LTBL 191150Z 24004KT 6000 FEW040 BKN100 15/09 Q1021 NOSIG RMK RWY06 VRB02KT=

METAR LTBR 191150Z 12002KT 8000 FEW030 SCT200 18/06 Q1021 NOSIG RMK RWY06 VRB02KT=

METAR LTBU 191150Z 06008KT CAVOK 16/07 Q1019 NOSIG RMK RWY06 VRB02KT=

METAR LTCC 191150Z 05011KT 9999 BKN030 16/11 Q1019 NOSIG RMK RWY06 VRB02KT=

METAR LTCE 191150Z 32005KT 250V360 9999 SCT040 18/06 Q1021 NOSIG RMK RWY06 VRB02KT=

METAR LTCJ 191150Z 23003KT 190V260 9999 SCT040 18/06 Q1021 NOSIG RMK RWY06 VRB02KT=

İstasyon Bilgileri ve Rasat Çözümü

İstasyon Adı : Konya M. Yükseklik : 1031 m.

Ülke : TÜRKİYE Enlem : 32.57

Sinoptik Kod : 17244 Boylam : 37.98

ICAO Kodu : LTAN Uçlu Kod :

LTAN 191150Z 12004KT 070V210 8000 FEW019 09/04 Q1021 NOSIG RMK RWY19 12004KT 010V160=

Rasat Çözümü

Saati	191150Z	1. Hadise	RVR1
Rüzgar Yönü	120	2. Hadise	RVR2
Hiz/Hamle	004	3. Hadise	RVR3
Rüzgar Değişimi	070V210	1. Bulut	RVR4
Rüyet	8000	2. Bulut	Sicaklık 9
Azami Rüyet	8000	3. Bulut	Isba 4
		4. Bulut	QNH 1021

Rüzgar Sheeri

2 Saat içerisinde Beklenen Değişiklik

Parçalı Az Bulutlu

İstasyon Arama

Program Ayarlar Havacılık Bültenleri Sinoptik Bültenler

Ara Temizle Yazdır Sakla En Son 19.11.2012 02 19.11.2012 14 Ayarlar Kapat

İstasyonlar LTBA LTAC LBSF LROP LOWW LHBP LKPR EDDF

☒ METAR ☒ SPECI ☒ KISA TAF ☒ UZUN TAF ☐ SIGMET ☐ GAMET ☐ AIRMET ☐ TÜRKİYE

☐ AERO ☐ TTAA ☐ TTBB ☐ TTCC ☐ TTDD ☐ ANA SINOP ☐ ARA SINOP

Kayıtlı Başlıklar Listeye Ekle Listeden Sil

METAR

Atatürk M. - TÜRKİYE - -
LTBA 191150Z 16006KT 120V190 9999 SCT035 SCT100 17/10 Q1019 NOSIG=(191150)

Esenboğa M. - TÜRKİYE - -
LTAC 191150Z 02003KT 330V100 6000 OVC011 06/05 Q1022 NOSIG=(191150)

Sofya - BULGARİSTAN - SOF -
LBSF 191200Z VRB02MPS 8000 OVC015 08/06 Q1020 NOSIG=(191200)

Bükreş - ROMANYA - BUH -
LROP 191200Z 03004KT 360V100 9999 OVC021 10/06 Q1021 8809/95 NOSIG=(191200)

Viyana - AVUSTURYA - -
LOWW 191150Z 05002KT 0600 R16/0800N R29/0800N FG -DZ BKN001 BKN002 06/06 Q1020 TEMPO 0400= (191150)

Budapeşte - MACARİSTAN - BUD -
LHBP 191200Z VRB02KT CAVOK 10/05 Q1020 NOSIG=(191200)

Prag - ÇEK CUMHURİYETİ - PRG -
LKPR 191200Z 01005KT 5000 BR NSC 07/04 Q1019 NOSIG=(191200)

Frankfurt / M-Flugh - ALMANYA - FRA -
EDDF 191150Z 07007KT 9999 SCT013 09/06 Q1018 NOSIG=(191150)

UZUN TAF

Atatürk M. - TÜRKİYE - -
LTBA 191040Z 1912/2018 04009KT 9999 SCT035 BECMG 1913/1916 CAVOK BECMG 2002/2005 SCT035 BKN100= (191100)

Esenboğa M. - TÜRKİYE - -
LTAC 191040Z 1912/2012 VRB02KT 8000 OVC012 BECMG 1918/1921 4000 BR OVC007 BECMG 2000/2002 2500 OVC003 BECMG 2009/2011 8000 OVC007=(191100)

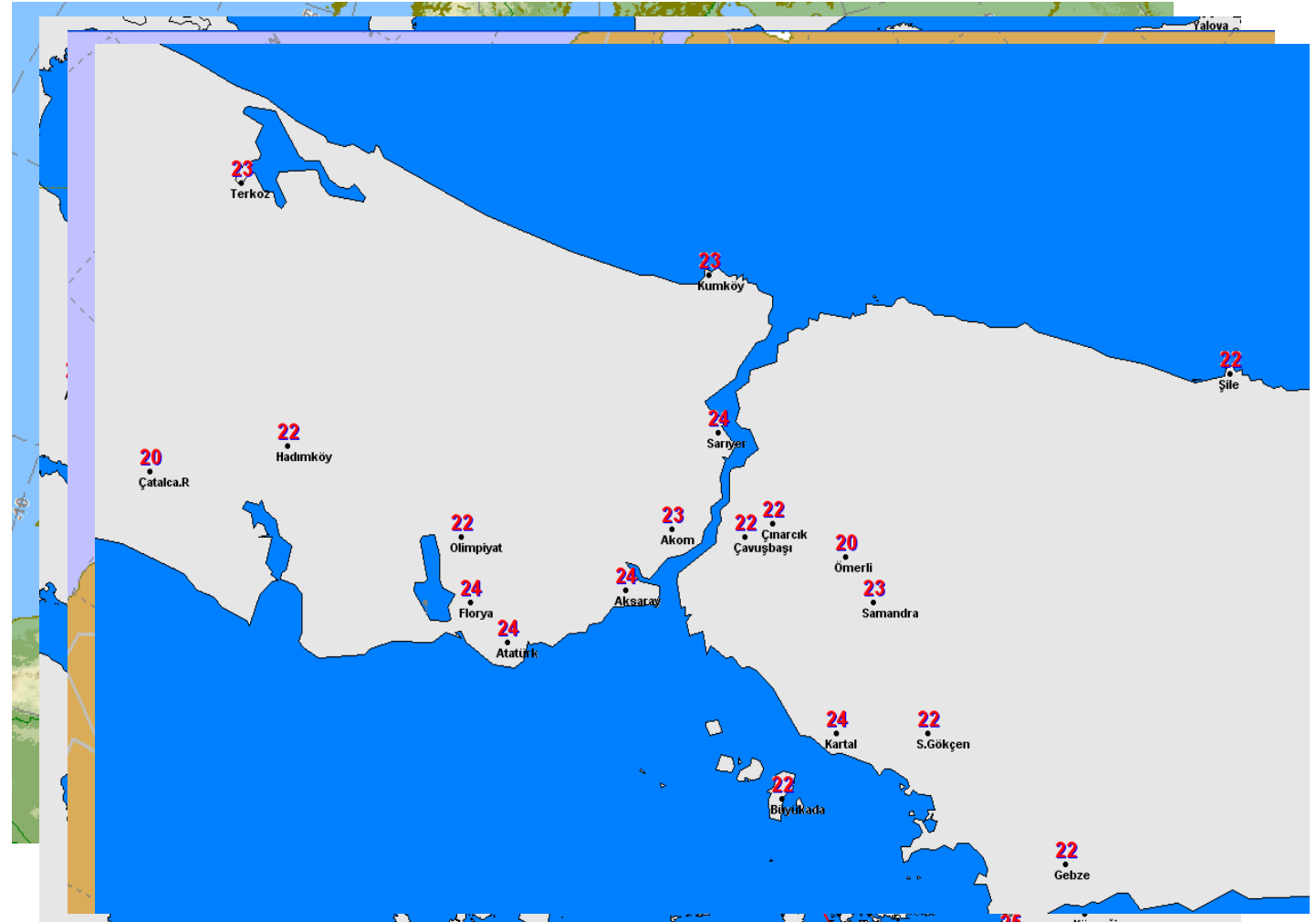
Sofya - BULGARİSTAN - SOF -
LBSF 191041Z 1912/2012 08005MPS 9999 OVC010 BECMG 1913/1914 BKN015 BKN050 BECMG 1922/1924 VRB02MPS SCT018 OVC030 TEMPO 2003/2009 5000 RA BKN015=(191100)

Bükreş - ROMANYA - BUH -
LROP 191100Z 1912/2012 VRB04KT 9999 BKN020 BECMG 1921/1923 06010KT 3000 BR BKN010 TEMPO

Preparing Meteorological Maps

Map Background Definition

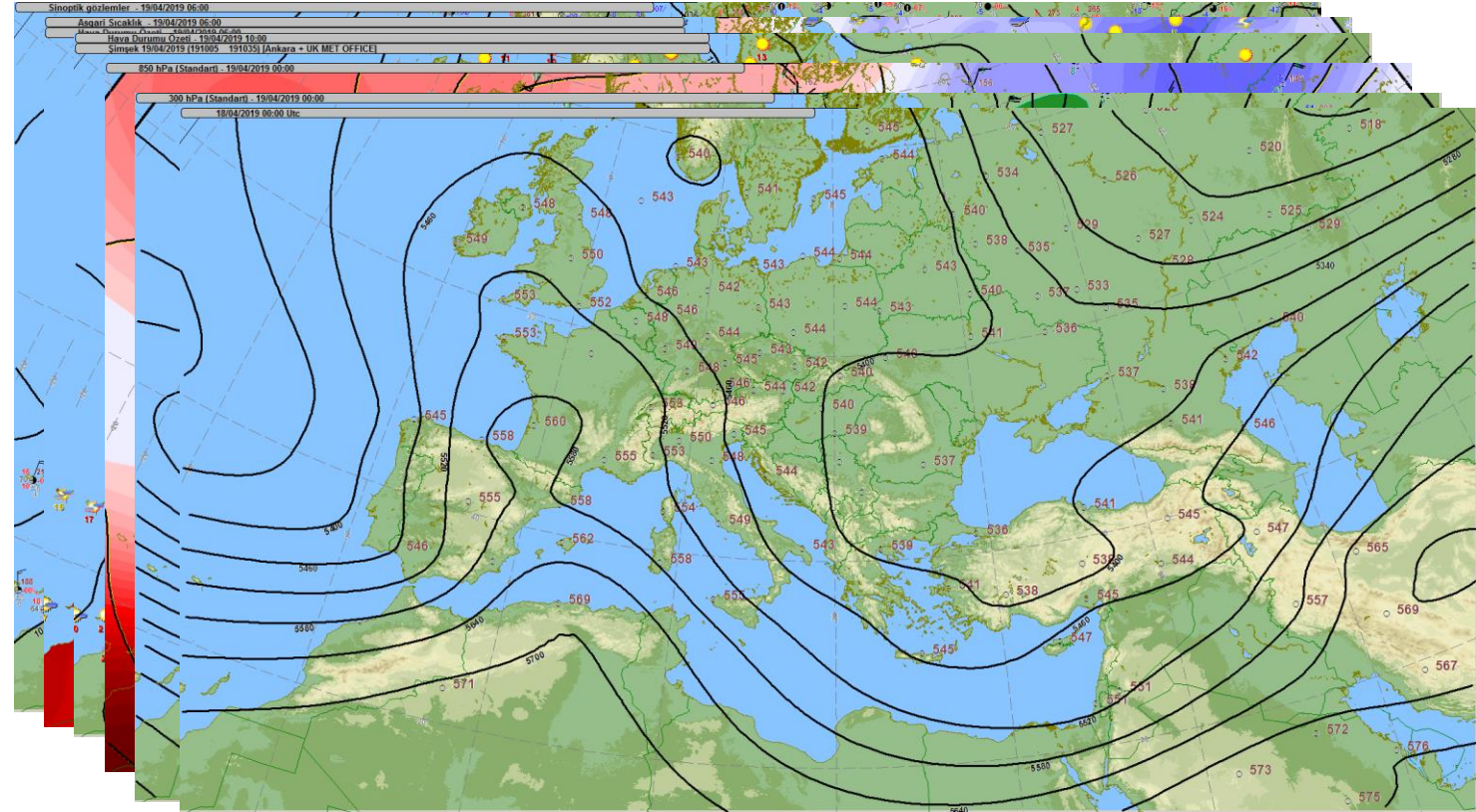
- Different Projections (Mercator, Polar Stereographics etc)
- User defined areas
- User defined map display
- Topography in colors
- Zoom in/out
- Country , province borders



Preparing Meteorological Maps

Actual Maps

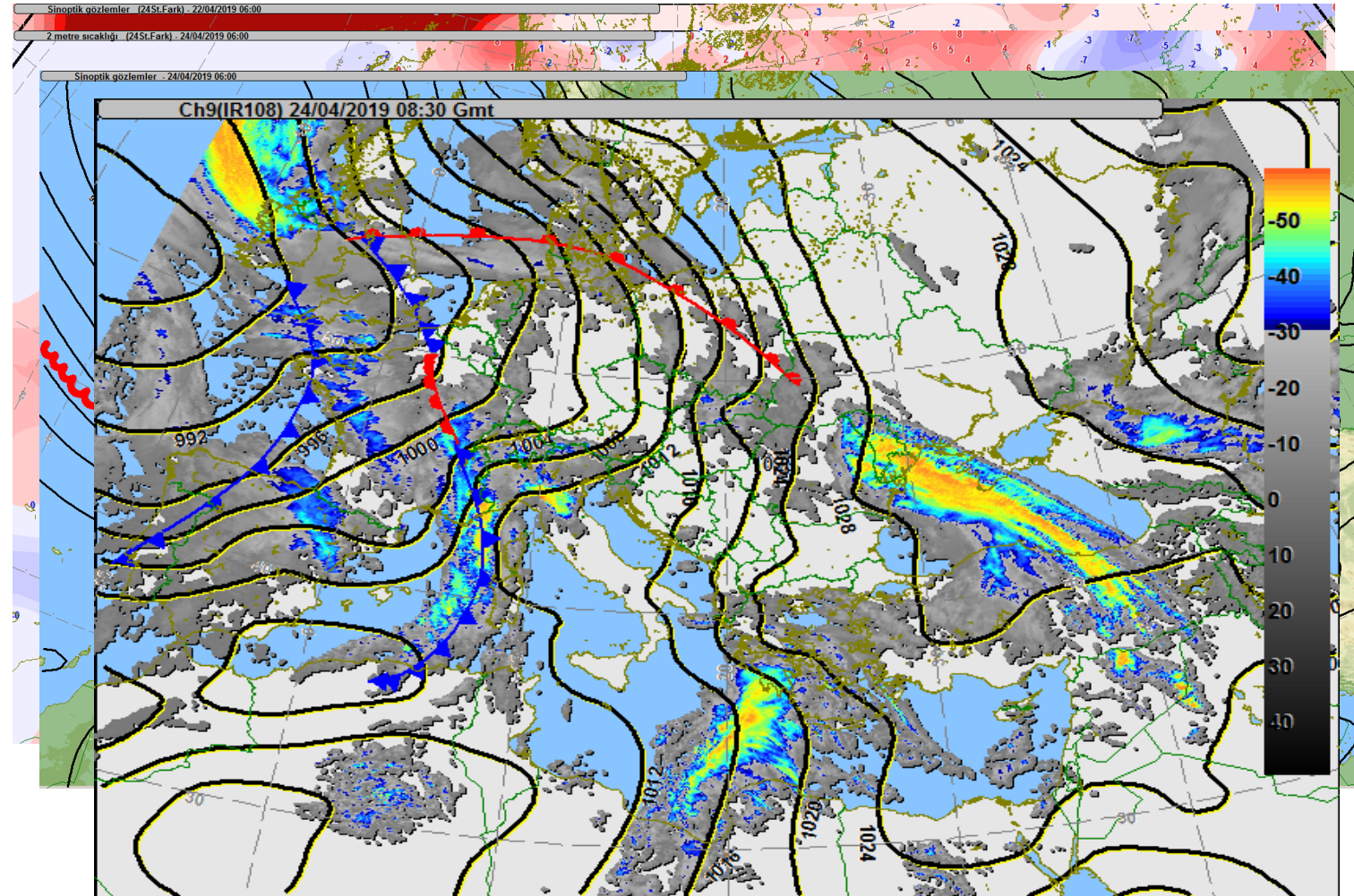
- Synoptic Charts
- METAR Charts
- Lightning observation
- All Upper Level Charts
- Instability Indices
- Thickness Charts
- Etc



Preparing Meteorological Maps

Actual Maps

- Change in any parameter 12/24 hr period for any parameter
- Adding symbols and messages on the map manually
- Created maps may be sent to MSS with an appropriate GTS Header automatically or manually



Preparing Meteorological Maps (NWP)

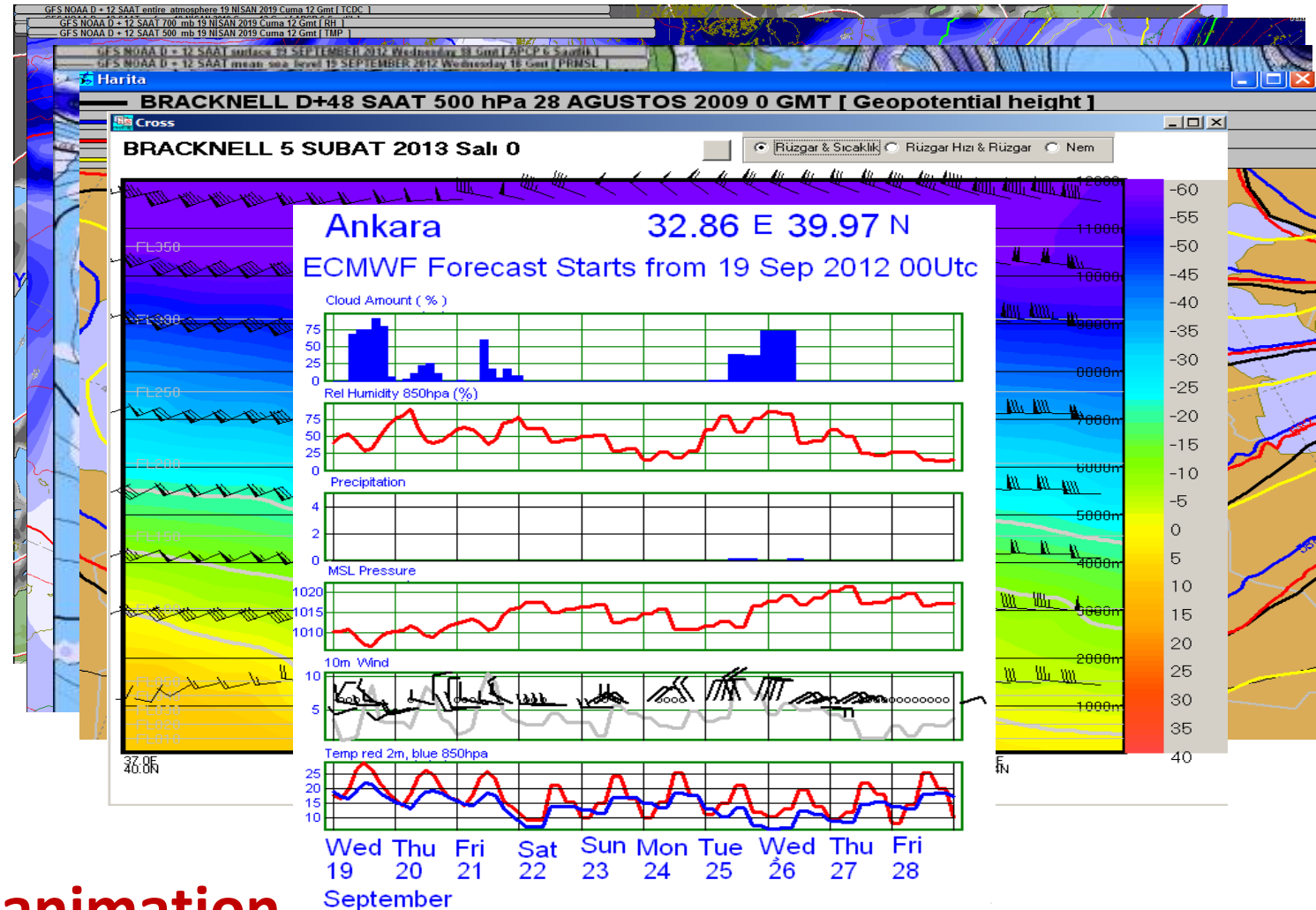
Uses data from Different Centers

- ECMWF
- NOAA + Exeter UK
- NATO Offenbach vs

Various Product Generation

- Contouring
- Meteograms
- Change in Parametres
- Worldwide area selection

Auto product generation and animation



Preparing Meteorological (Satellite)

Channel Values

- All IR, Visible and WV Channels

- Different SAF products

- RGB Products

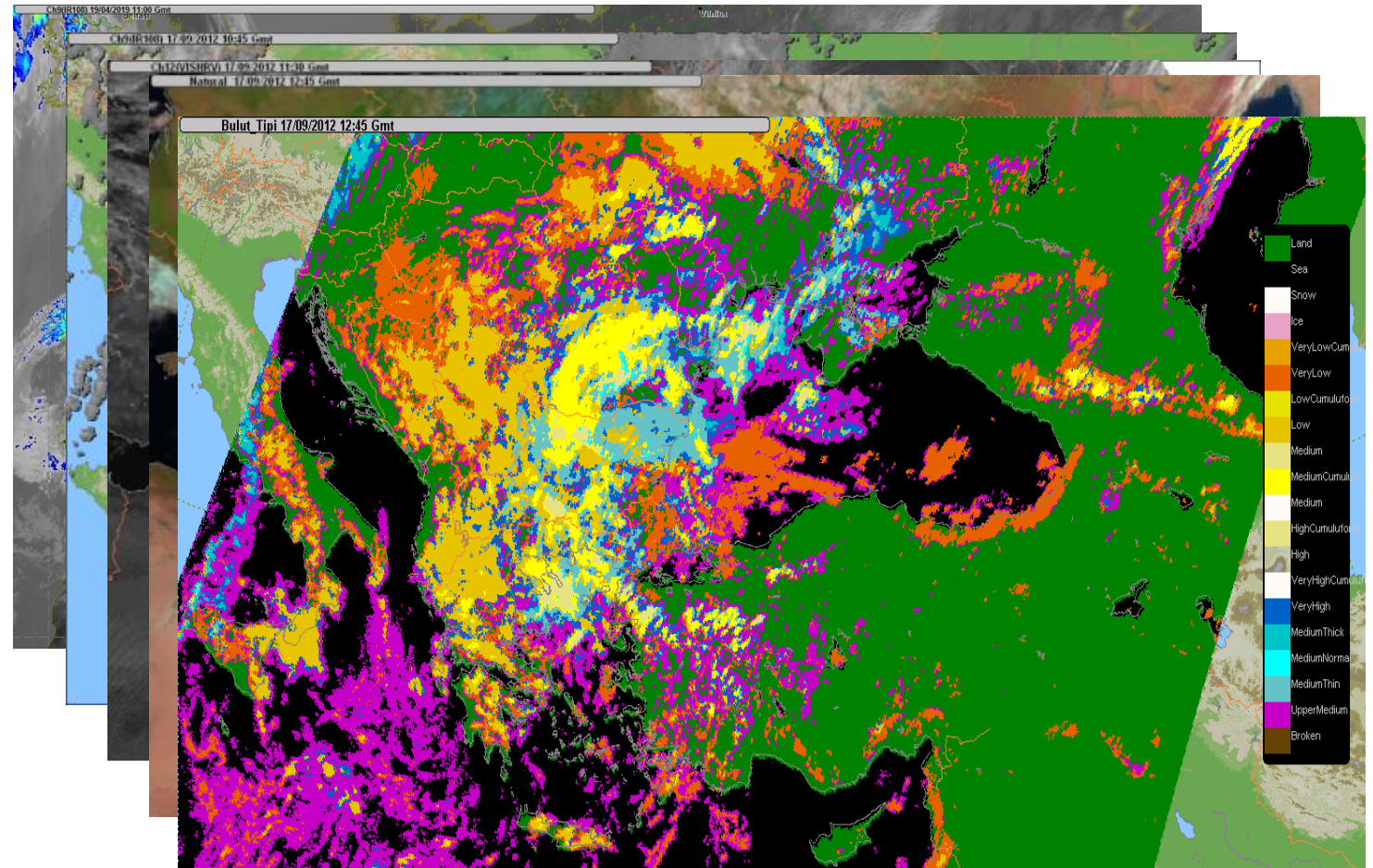
Product Combinations & Overlaying

- Radar

- NWP

- Actual Observations

Auto product generation and animation

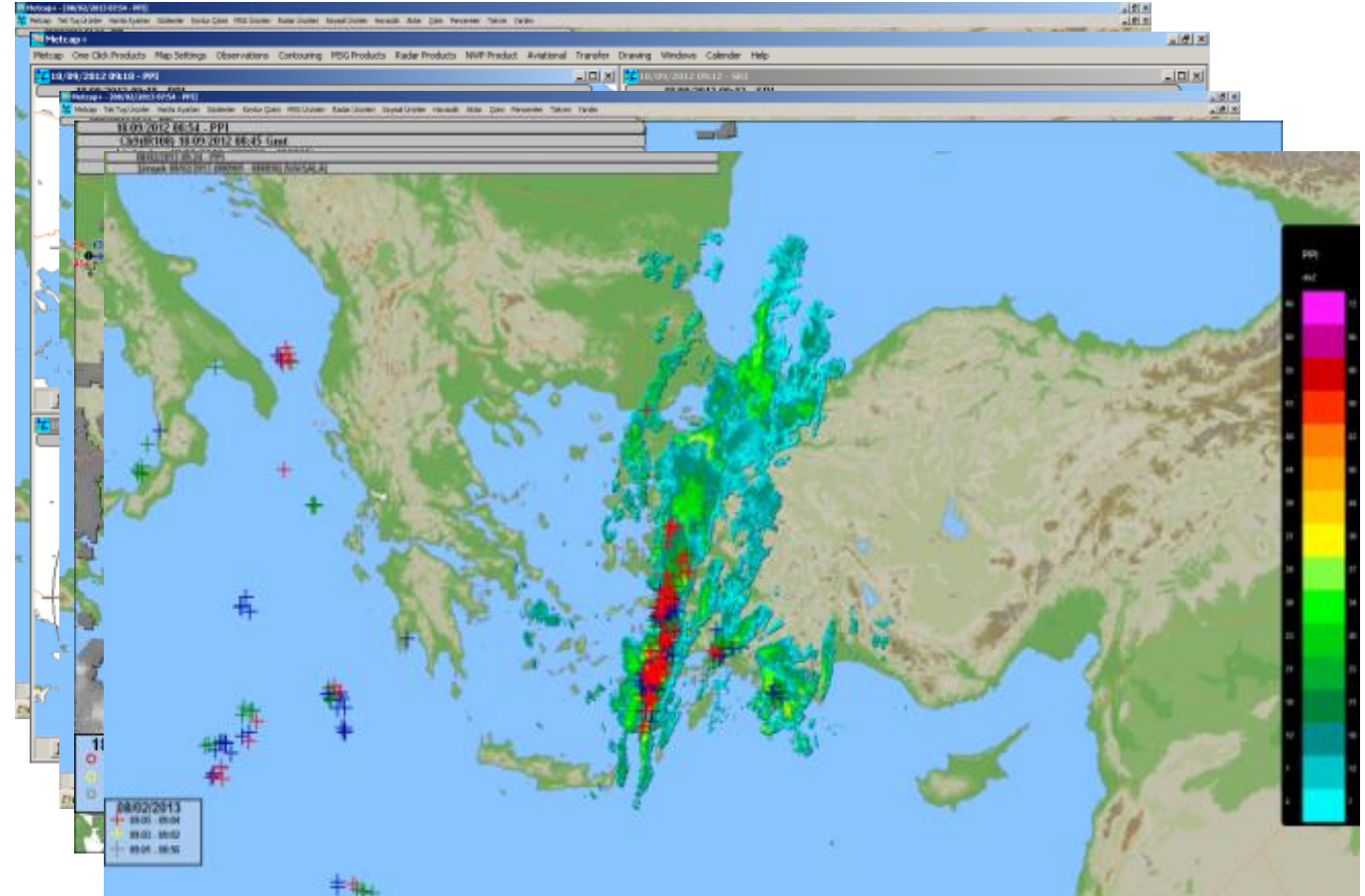


Preparing Meteorological (Radar)

- PPI
- MAX
- SRI CAP etc

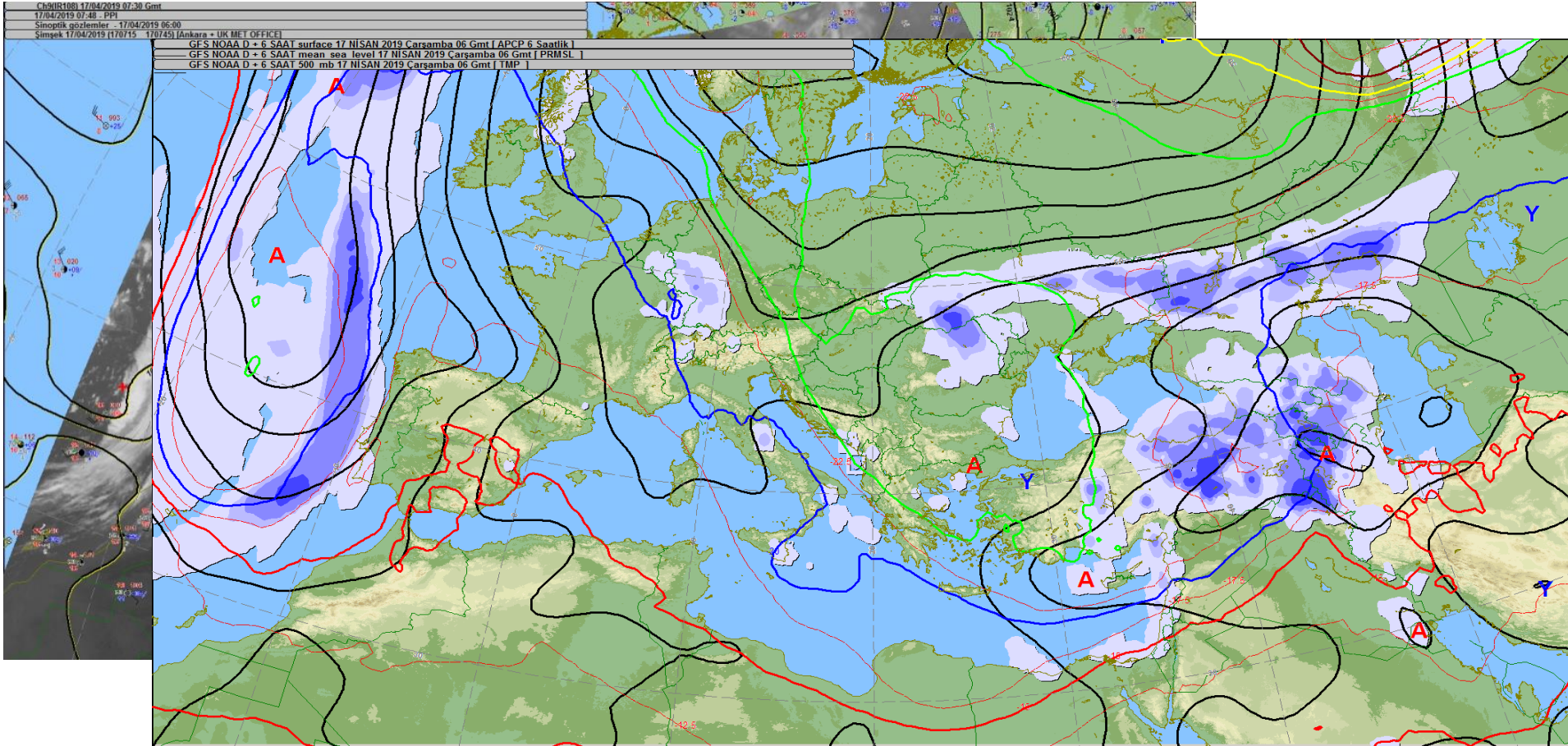
Product Combinations & Overlaying

- satellite
- NWP
- Actual Observations

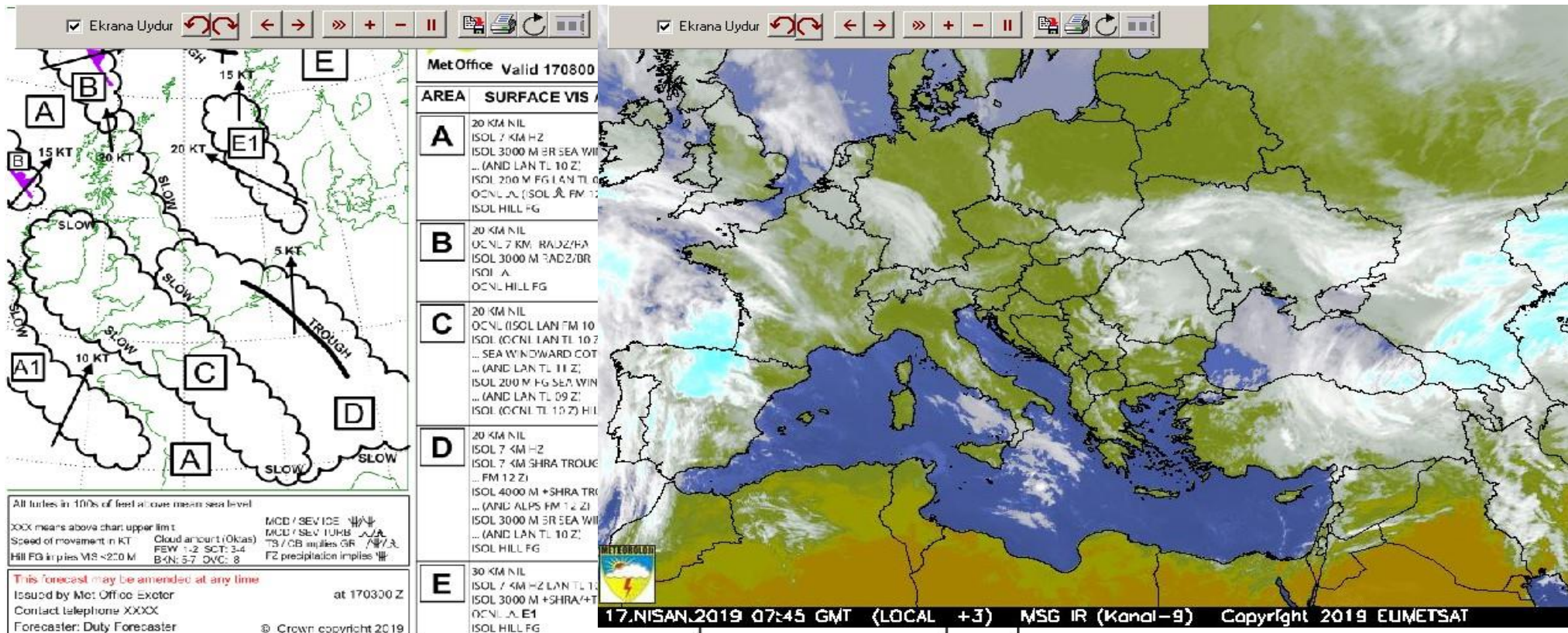


Combination of Meteorological Products

- All actual, Satellite, Radar, NWP, Lightning and Aviation products may be displayed on the same map for the selected regions.

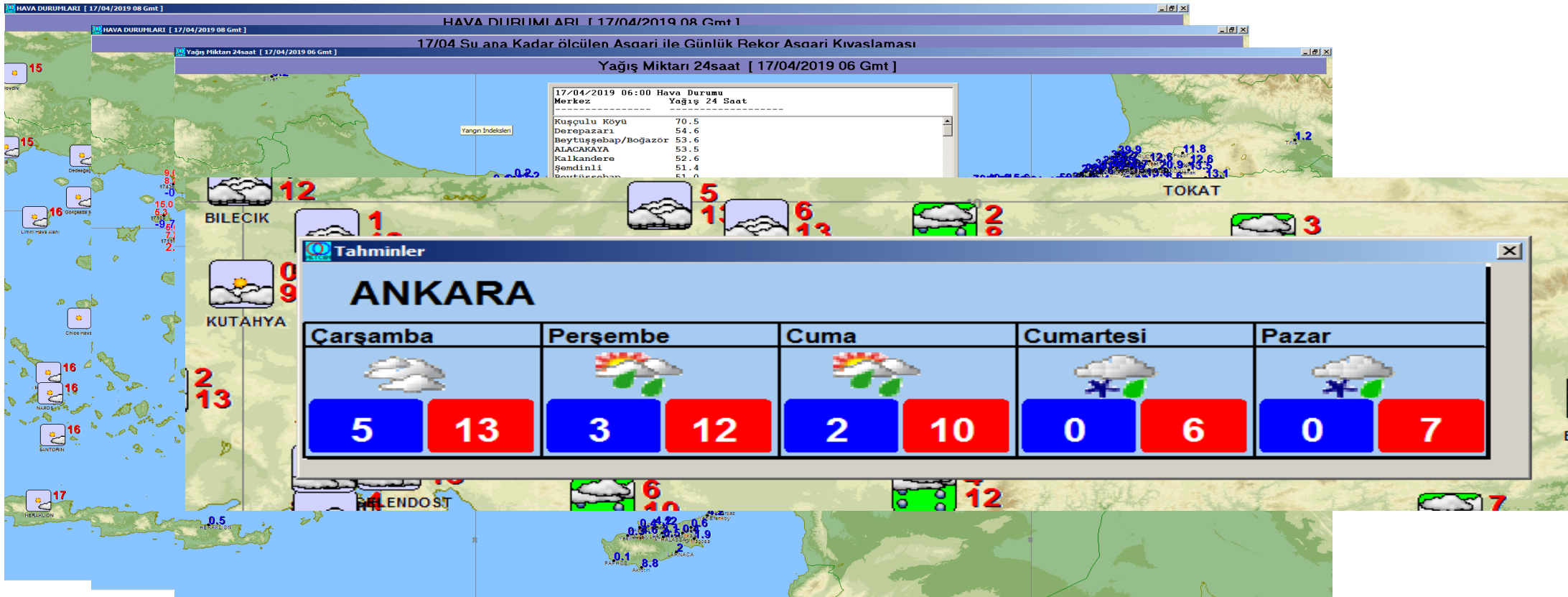


- The Meteorological products generated by different centers in different Image formats may be displayed and animated.



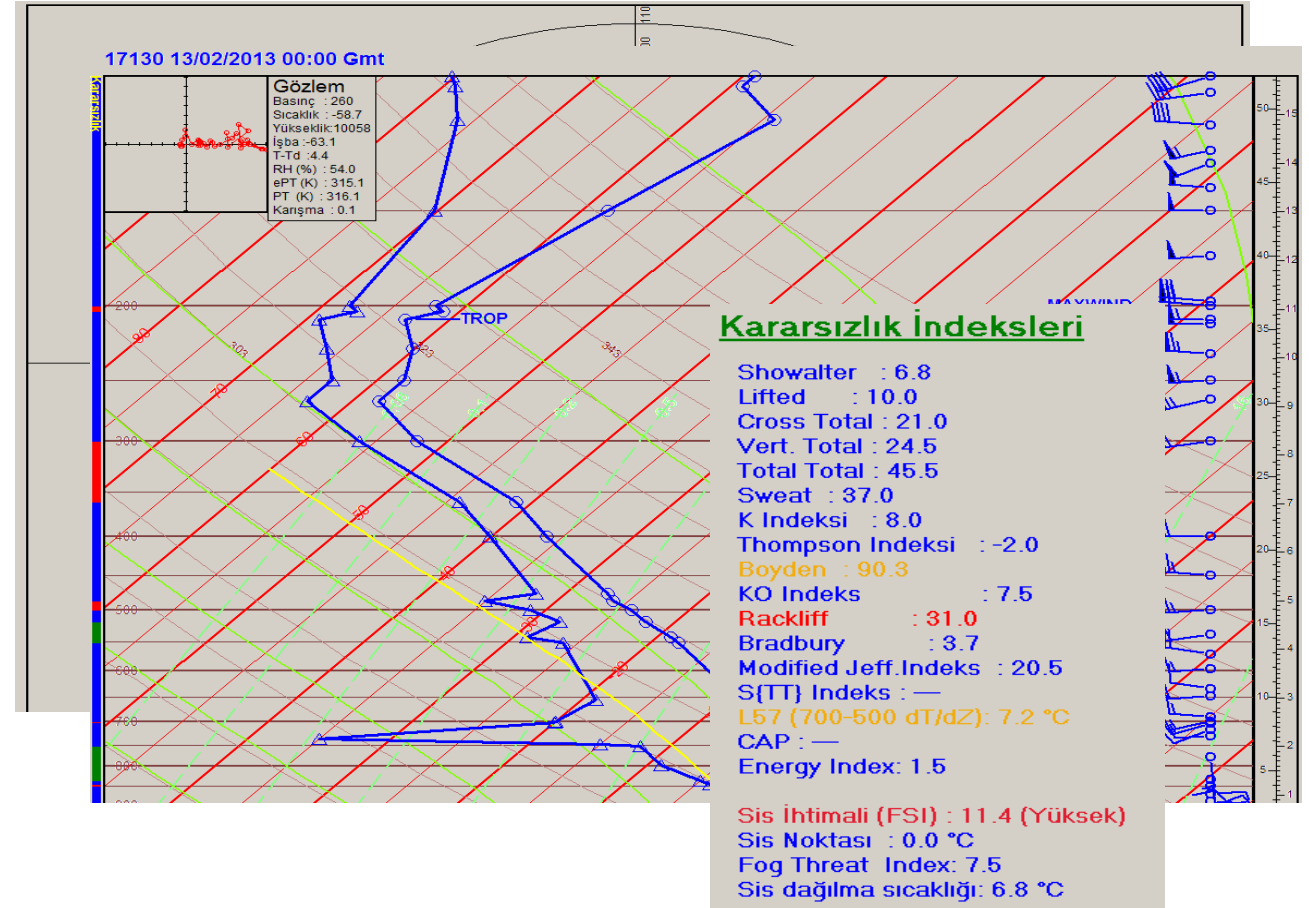
Weather Monitoring

- Latest Weather conditions and measured parameters from Synop and Metars
- Latest Satellite, Radar and Lightning images and animation
- Forecast for the cities from both weather reports and TAFs
- Using Climatological Data with actual Data



Skewt & Hodogram

- Thermodynamic calculations
- Instability indices
- Important levels and values
- Inversion levels and type
- Using TAC and BUFR data
- User defined display



Station Database

- There are almost 20K station information worldwide
- New records may be added
- Current data may be updated

Bilgi Arama

Arama Düzeltme

Aranacak İfade

TÜRKİYE

Aranacak Yer

Bütün alanlar

Sıra	ICAO	IATA	Sinoptik	İsim
1	AKCK	---	1701...	AKÇAK
2	ACSR	---	1701...	ACIŞU
3	BART	---	1702...	BARTI
4	ZONG	---	1702...	ZONG
5	LTAS	ONQ	1702...	CAYCI
6	INEB	---	1702...	INEBO
7	SINP	---	1702...	SINOF
8	LTCM	SIC	1702...	SINOF
9	SAMB	---	1703...	SAMSI
10	LTFH	SZF	1703...	CARSU
11	LTCB	OGU	1703...	ORDU
12	ORDU	---	1703...	ORDU
13	GIRS	---	1703...	GIRES
14	---	---	1703...	TRABZ
15	LTCG	TZX	1703...	TRABZ
16	RIZE	---	1704...	RIZE
17	HOPA	---	1704...	HOPA
18	ARTV	---	1704...	ARTVI
19	ARDH	---	1704...	ARDAI
20	ICTR	---	1704...	ÇATAL
21	EDIR	---	1705...	EDIRN
22	LTBU	TEQ	1705...	CORLU
23	KIRL	---	1705...	KIRKL
24	CORU	---	1705...	CORLU

Bilgi Arama

Arama Düzeltme

İstasyon Sinoptik/ICAO Kodu

17130

İstasyon Bilgileri

Sinoptik Kod

17130

ICAO Kodu

LTAA

IATA Kodu

Adı

ANKARA

İngilizce Adı

ANKARA

Ülke Adı

TÜRKİYE

İngilizce Ülke Adı

TURKEY

Enlem

39.9727

Boylam

32.8637

Yükseklik

891 m

Önceliği

1

Düzeltil

Sil

Alanları Temizle

Yeni Kayıt olarak ilave et



Aviation Products

- Selected airports may be monitored with latest reports
- Flight folders may be prepared manually or automatically at defined times.

Metcap+ Aero

Gmt 17 Nisan 2019 08:26⁵⁶
Yerel 17 Nisan 2019 11:26⁵⁶
Gün Doğumu: 03:12 Gün Batımı: 16:28 (Gmt)
Ay Doğumu: 14:12 Ay Batımı: 02:18 (Gmt)
Ay Büyüyor. % 92'i görünüyor. (Dolunay)

İstasyon: LTAC ESENBOĞA
Gözetim zamanı: 170820Z
Rüzgar: VRB 04
Görüş Mesafesi: 9999
Hadiseler
Bulutlar BKN040

9/-2°C
1013hPa

LTAC 170820Z VRB04KT 9999 BKN040 09/M02 Q1013 NOSIG RMK RWY21L VRB05KT RWY03L 05006KT 010V120 RWY21R VRB03KT =

TAF LTAC 170440Z 1706/1806 VRB02KT 9999 SCT040 =

Özet 12 Saat için tahmin

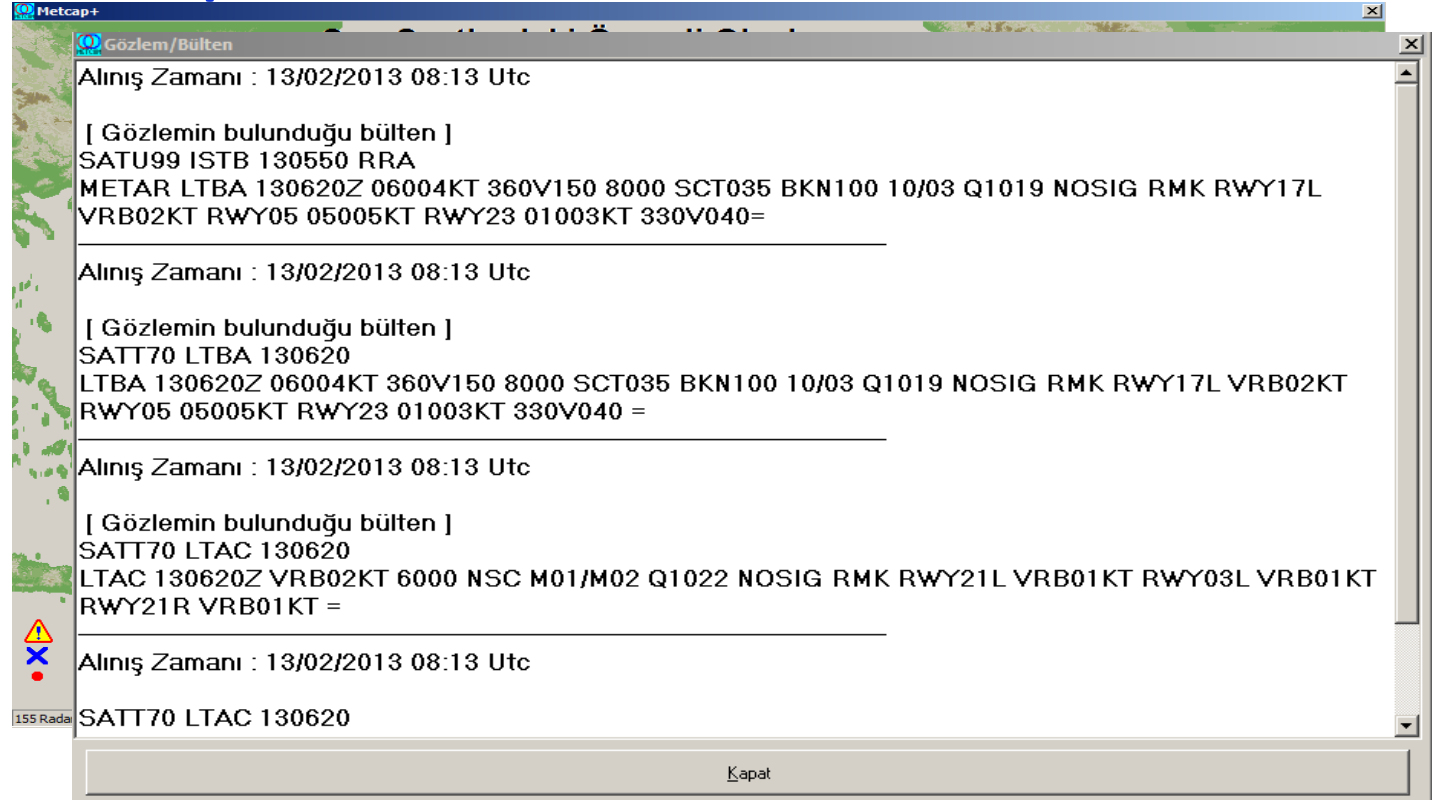
Si...	ICAO	Meydan	Saat	Rüzgar	Görü...	Hadise...	Bulutlar	Sıcaklı...	Nem	QNH(hPa/Inç)	Gözlem
1	LTAC	ESENBOĞA	170820Z	VRB/04	9999		BKN040	9 / -2	46	1013 / 29.91	LTAC 170820Z VRB04KT 9999 BKN040 09/M02 Q1013 NOSIG RMK RWY21L VRB05KT RWY03L 05006KT 010V120 RWY21R VRB03KT =
2	LTAD	ETMESG...	170750Z	110/04	9999		BKN040	8 / 0	57	1014 / 29.94	LTAD 170750Z 11004KT 030V200 9999 BKN040 08/00 Q1014 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
3	LTAE	MURTED	170750Z	VRB/06	9999		FEW040 SCT100	10 / -2	43	1013 / 29.91	LTAE 170750Z VRB06KT 9999 FEW040 SCT100 10/M02 Q1013 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
4	LTAB	GÜVERCİ...	170750Z	VRB/02	9999		SCT040 SCT100	8 / 0	57	1014 / 29.94	LTAB 170750Z VRB02KT 9999 SCT040 SCT100 08/00 Q1014 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
5	LTAF	İSTANBUL	170820Z	240/08	9999		FEW032 SCT090	13 / 4	54	1017 / 30.03	LTAF 170820Z 24008KT 9999 FEW032 SCT090 13/04 Q1017 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
6	LTBI	ESKİSEHIR	170750Z	360/07	9999		FEW040	9 / -1	49	1015 / 29.97	LTBI 170750Z 36007KT 320V030 9999 FEW040 09/M01 Q1015 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
7	LTBG	BANDIRMA...	170750Z	160/05	9999		CAVOK	12 / 5	62	1017 / 30.03	LTBG 170750Z 16005KT 120V200 CAVOK 12/05 Q1017 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
8	LTBF	BALIKESİR	170750Z	SAKIN	9999		CAVOK	11 / 2	54	1018 / 30.06	LTBF 170750Z 00000KT CAVOK 11/02 Q1018 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
9	LTBL	ÇİĞLI MEY...	170750Z	300/08	9999		CAVOK	15 / 3	44	1017 / 30.03	LTBL 170750Z 30008KT 260V350 CAVOK 15/03 Q1017 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
10	LTBJ	ADNAN M...	170820Z	350/12h25	9999		CAVOK	16 / 3	41	1016 / 30.00	LTBJ 170820Z 35012G25KT 330V030 CAVOK 16/03 Q1016 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
11	LTBS	DALAMAN...	170820Z	330/09	9999		FEW030	18 / 7	48	1011 / 29.85	LTBS 170820Z 33009KT 300V010 9999 FEW030 18/07 Q1011 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
12	LTFT	ÇARŞAM...	170750Z	000/05	9999	SHRA	SCT012 BKN030 BK	9 / 5	76	1016 / 30.00	LTFT 170750Z 00015KT 9999 -SHRA SCT012 BKN030 BKN090 09/05 Q1016 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
13	LTDA	ATATÜRK...	170820Z	170/06	9999		CAVOK	12 / 6	66	1018 / 30.06	LTDA 170820Z 17006KT 130V220 CAVOK 12/06 Q1018 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
14	LTDM	SABİHA G...	170820Z	220/07	9999		CAVOK	13 / 1	44	1017 / 30.03	LTDM 170820Z 22007KT 170V280 CAVOK 13/01 Q1017 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
15	LTCE	TRABZON	170820Z	000/05	9999	SHRA	SCT008 BKN028	10 / 7	81	1014 / 29.94	LTCE 170820Z 00016KT 9999 -SHRA SCT008 BKN028 10/07 Q1014 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
16	LTCE	ERZURUM	170820Z	270/09	1800	SN BR	FEW004 BKN020 O...	1 / 0	93	1008 / 29.77	LTCE 170820Z 27009KT 1800 R08R/P1500N -SN BR FEW004 BKN020 O...
17	LTCC	DIYARBA...	170820Z	320/04	9999		FEW015 SCT114	13 / 9	76	1007 / 29.74	LTCC 170820Z 32004KT 270V020 9999 FEW015 SCT114 SCT040 BKN100 13/09 Q1007 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
18	LTAN	KONYA M...	170750Z	010/13	9999		SCT027 BKN100	6 / 3	81	1013 / 29.91	LTAN 170750Z 01013KT 9999 SCT027 BKN100 06/03 Q1013 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
19	LTAT	ERHAÇ M...	170820Z	280/09	9999		BKN035 BKN090	11 / 4	62	1009 / 29.80	LTAT 170820Z 28009KT 9999 BKN035 BKN090 11/04 Q1009 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT
20	LTAU	ERKİLET	170820Z	VRB/02	9999		SCT015 BKN025	6 / 2	75	1012 / 29.88	LTAU 170820Z VRB02KT 9999 SCT015 BKN025 06/02 Q1012 NOSIG RMK RWY01L 03007KT RWY02L 03007KT RWY03L 03007KT

Si...	EEA	Meydan	Saat	TAF Raporu
1	LTAC	ESENBOĞA	170500	TAF LTAC 170440Z 1706/1806 VRB02KT 9999 SCT040 =
2	LTAD	ETMESG...	170740	LTAD 170740Z 1709/1718 30008KT 9999 SCT040 BKN100 TEMPO 1716/1718 -SHRA BKN030 BKN080 =
3	LTAE	MURTED	170740	LTAE 170740Z 1709/1718 36008KT 9999 SCT040 SCT100 PROB30 TEMPO 1712/1715 03015G25KT -TSRA FEW027CB BKN030 =
4	LTAB	GÜVERCİ...	170740	LTAB 170740Z 1709/1718 33007KT 9999 SCT040 BKN100 =
5	LTAF	İSTANBUL	170500	TAF LTAF 170440Z 1706/1806 22008KT 9999 SCT032 BKN100 BECMG 1707/1711 01013KT TEMPO 1709/1713 -SHRA BKN028 PROB30 1722/1802 2500 BR BKN018
6	LTBI	ESKİSEHIR	170740	LTBI 170740Z 1709/1718 35008KT 9999 SCT040 TEMPO 1712/1715 BKN040 BECMG 1717/1718 CAVOK =
7	LTBG	BANDIRMA...	170740	LTBG 170740Z 1709/1718 VRB02KT CAVOK BECMG 1710/1712 03012KT =
8	LTBF	BALIKESİR	170740	LTBF 170740Z 1709/1718 VRB02KT 9999 FEW035 SCT100 =
9	LTBL	ÇİĞLI MEY...	170740	LTBL 170740Z 1709/1718 35009KT 9999 SCT035 =
10	LTBJ	ADNAN M...	170500	TAF LTBJ 170440Z 1706/1806 36010KT CAVOK BECMG 1706/1709 36015G25KT SCT030 BECMG 1714/1717 CAVOK BECMG 1717/1720 35010KT =
11	LTBS	DALAMAN...	170500	TAF LTBS 170440Z 1706/1806 35015KT CAVOK BECMG 1706/1708 FEW030 BECMG 1714/1716 CAVOK =
12	LTFT	ÇARŞAM...	170740	LTFT 170740Z 1709/1718 31012KT 9999 BKN030 BKN090 TEMPO 1709/1713 -SHRA =
13	LTBA	ATATÜRK...	170500	TAF LTBA 170440Z 1706/1806 21008KT 9999 SCT032 TEMPO 1712/1716 -SHRA BKN028 BECMG 1713/1717 01013KT BECMG 1801/1804 -SHRA BKN025
14	LTBJ	SABİHA G...	170500	TAF LTBJ 170440Z 1706/1806 VRB02KT CAVOK BECMG 1710/1712 SCT035 PROB30 TEMPO 1712/1715 -SHRA FEW020CB BKN030 BECMG 1722/1801 4000 BR PR
15	LTCE	TRABZON	170500	TAF LTCE 170440Z 1706/1806 27014KT 6000 -SHRA BKN006 BKN025 TEMPO 1706/1709 2800 SHRA BR BKN003 BKN025 BECMG 1709/1712 30016G28KT SCT008 E
16	LTCE	ERZURUM	170500	TAF LTCE 170440Z 1706/1806 09007KT 2000 -SN BR BKN020 OVC070 BECMG 1706/1709 8000 -SNRA BECMG 1715/1718 SCT030 BKN080 =
17	LTCC	DIYARBA...	170500	TAF LTCC 170440Z 1706/1806 VRB02KT 9999 SCT040 BKN100 TEMPO 1706/1709 -SHRA BKN035 BKN090 TEMPO 1709/1712 -SHRA BKN035 BKN090 TEMPO 1712
18	LTAN	KONYA M...	170740	LTAN 170740Z 1709/1718 01012KT 9999 SCT035 BKN100 =
19	LTAT	ERHAÇ M...	170500	TAF LTAT 170440Z 1706/1806 VRB02KT 9999 SCT040 BKN100 TEMPO 1706/1710 -SHRA BKN033 BKN090 TEMPO 1712/1716 -SHRA BKN033 BKN090
20	LTAU	ERKİLET	170500	TAF LTAU 170440Z 1706/1806 VRB02KT 9999 SCT012 BKN025 TEMPO 1706/1708 -SHRA BECMG 1708/1710 BKN033 BKN090 TEMPO 1710/1714 -SHRA FEW025CB

Warnings

Auto warning for selected regions

- Checking all received Synop, Metar and speci reports
- User defined thresholds
- Radar data control
- Lightning data control
- Auto popup windows
- Warning with Voice



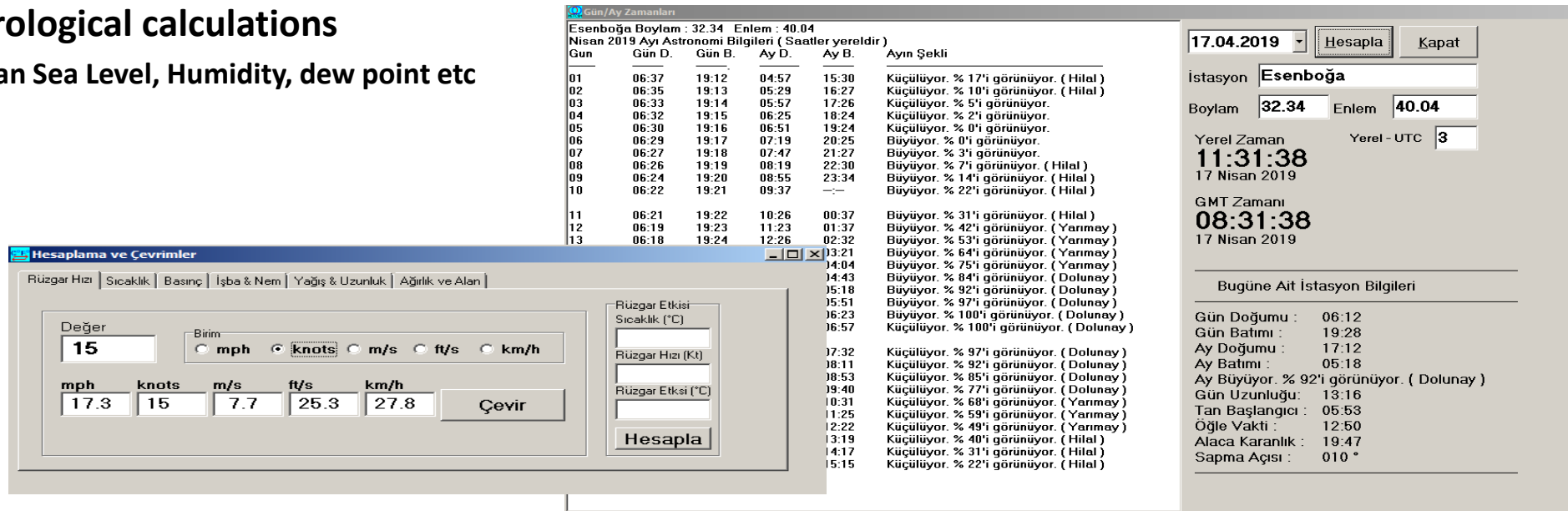
Documentations

- There are two User manuals in Turkish and English Languages (Almost 210 pages)



Misc Applications

- There are many small applications
- Meteorological Conversions
- Message sending to MSS and other MetcapPlus users.
- Astrological Data for selected point and dates
 - Time of Sunrise/set, Moon rise/setistenen
- Meteorological calculations
 - Mean Sea Level, Humidity, dew point etc



Gün/Ay Zamanları
Esenboğa Boylam : 32.34 Enlem : 40.04
Nisan 2019 Ayı Astronomi Bilgileri (Saatler yereldir)

Gün	Gün D.	Gün B.	Ay D.	Ay B.	Ayın Şekli
01	06:37	19:12	04:57	15:30	Küçülüyor. % 17'i görünüyor. (Hilal)
02	06:35	19:13	05:29	16:27	Küçülüyor. % 10'i görünüyor. (Hilal)
03	06:33	19:14	05:57	17:26	Küçülüyor. % 5'i görünüyor.
04	06:32	19:15	06:25	18:24	Küçülüyor. % 2'i görünüyor.
05	06:30	19:16	06:51	19:24	Küçülüyor. % 0'i görünüyor.
06	06:29	19:17	07:19	20:25	Büyüyor. % 0'i görünüyor.
07	06:27	19:18	07:47	21:27	Büyüyor. % 3'i görünüyor.
08	06:26	19:19	08:19	22:30	Büyüyor. % 7'i görünüyor. (Hilal)
09	06:24	19:20	08:55	23:34	Büyüyor. % 14'i görünüyor. (Hilal)
10	06:22	19:21	09:37	—	Büyüyor. % 22'i görünüyor. (Hilal)
11	06:21	19:22	10:26	00:37	Büyüyor. % 31'i görünüyor. (Hilal)
12	06:19	19:23	11:23	01:37	Büyüyor. % 42'i görünüyor. (Yarımay)
13	06:18	19:24	12:26	02:32	Büyüyor. % 53'i görünüyor. (Yarımay)
				03:21	Büyüyor. % 64'i görünüyor. (Yarımay)
				04:04	Büyüyor. % 75'i görünüyor. (Yarımay)
				04:43	Büyüyor. % 84'i görünüyor. (Dolunay)
				05:18	Büyüyor. % 92'i görünüyor. (Dolunay)
				05:51	Büyüyor. % 97'i görünüyor. (Dolunay)
				06:23	Büyüyor. % 100'i görünüyor. (Dolunay)
				06:57	Küçülüyor. % 100'i görünüyor. (Dolunay)
				07:32	Küçülüyor. % 97'i görünüyor. (Dolunay)
				08:11	Küçülüyor. % 92'i görünüyor. (Dolunay)
				08:53	Küçülüyor. % 85'i görünüyor. (Dolunay)
				09:40	Küçülüyor. % 77'i görünüyor. (Dolunay)
				10:31	Küçülüyor. % 68'i görünüyor. (Yarımay)
				11:25	Küçülüyor. % 59'i görünüyor. (Yarımay)
				12:22	Küçülüyor. % 49'i görünüyor. (Yarımay)
				13:19	Küçülüyor. % 40'i görünüyor. (Hilal)
				14:17	Küçülüyor. % 31'i görünüyor. (Hilal)
				15:15	Küçülüyor. % 22'i görünüyor. (Hilal)

Hesaplama ve Çevrimler
Rüzgar Hızı | Sıcaklık | Basınç | İşba & Nem | Yağış & Uzunluk | Ağırlık ve Alan

Değer: 15
Birim: ☒ mph ☐ knots ☐ m/s ☐ ft/s ☐ km/h

mph: 17.3 knots: 15 m/s: 7.7 ft/s: 25.3 km/h: 27.8

Çevir

Rüzgar Etkisi
Sıcaklık (°C):
Rüzgar Hızı (Kt):
Rüzgar Etkisi (°C):
Hesapla

17.04.2019 Hesapla Kapat

İstasyon: **Esenboğa**

Boylam: **32.34** Enlem: **40.04**

Yerel Zaman: **11:31:38**
17 Nisan 2019

Yerel - UTC: **3**

GMT Zamanı: **08:31:38**
17 Nisan 2019

Bugüne Ait İstasyon Bilgileri

Gün Doğumu : 06:12
Gün Batımı : 19:28
Ay Doğumu : 17:12
Ay Batımı : 05:18
Ay Büyüyor. % 92'i görünüyor. (Dolunay)
Gün Uzunluğu: 13:16
Tan Başlangıcı : 05:53
Öğle Vakti : 12:50
Alaca Karanlık : 19:47
Sapma Açısı : 010 °



Misc Applications

- BUFR Decoder and Encoder for Synoptic, Upper Air and Climat reports
- BUFR encoder converts report manually or automatically
- Upper Air BUFR conversion may use TTAA,TTBB,TTCC and TTDD parts and Sondage data
- All Encoded BUFR reports and TAC reports may be sent to MSS

TAC Temp to BUFR Converter

Program: TAC TEMP BUFR Settings

TAC TEMP Template | BUFR Equivalent | Conversion Logs | BUFR/RTH Settings | Plot Temp | About the Program

Bulletin Date: 24.04.2019

Convert to BUFR Load From File Send to RTH Clean Obs Area Close

59764 30583 88120 59778 28560 77221 31090 41112 31313 73508
82336=
TTAA 74001 17351 99023 11815 04002 00221 13456 35509 92876
11865 04010 85576 06061 35507 70141 01582 35013 50575 15966
32049 40740 27162 32060 30940 44560 31563 25059 53960 30557
20199 62559 30061 15378 58760 28551 10630 63960 28056 88206
63359 30061 77327 31569 41109 31313 41708 82334=

USTU11 LTAA 240000
TTAA 74001 17516 99010 10456 25503 00217 13444 31005 92876
13870 00508 85579 08465 01515 70164 03665 32524 50580 14161
31534 40745 26363 30541 30945 43560 30050 25065 54157 30058
20205 613// 29558 15383 621// 27552 10633 635// 28059 88209
615// 30059 88141 643// 27555 77118 27563 40705 31313 73508
82346=

BUFR CONVERSION IS OK.

TAC Temp to BUFR Converter

Program: TAC TEMP BUFR Settings

TAC TEMP Template | BUFR Equivalent | Conversion Logs | BUFR/RTH Settings | Plot Temp | About the Program

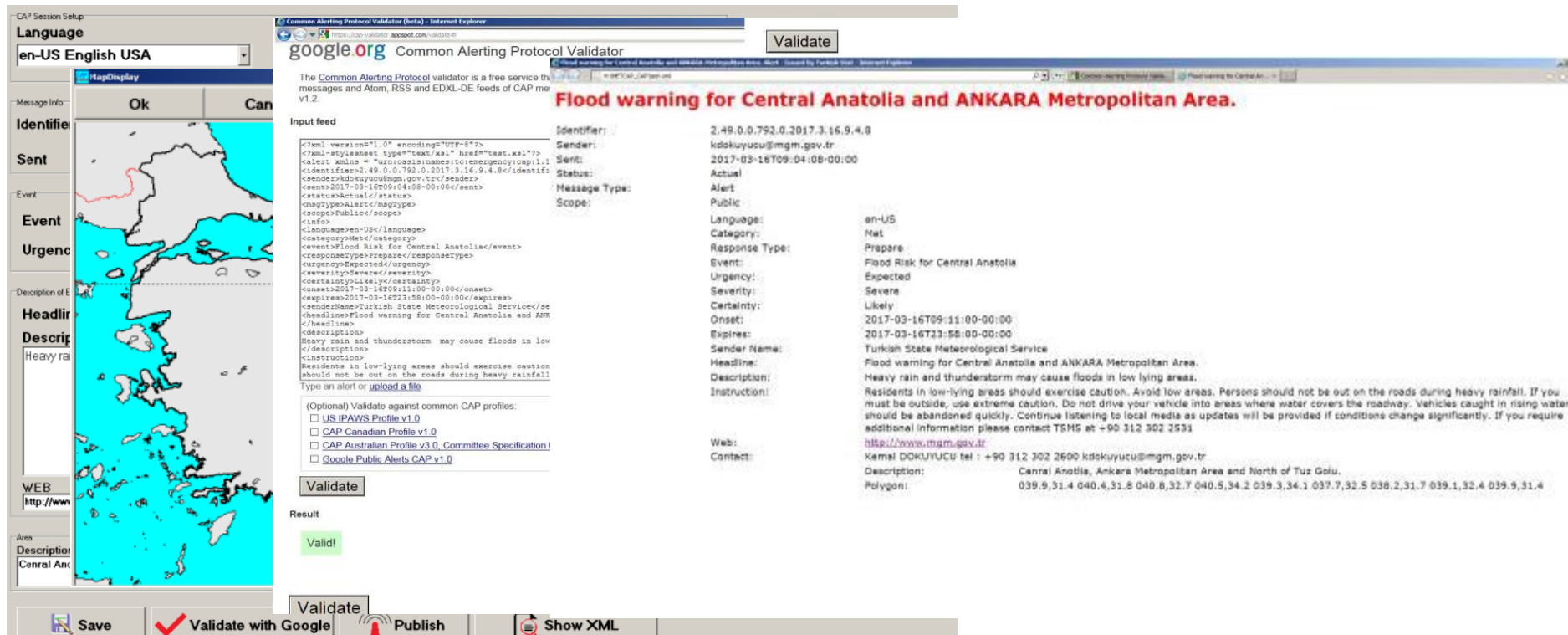
Center/SubCenter: 9170 Data Category: 2 Master Table: 26 Date Time: 24/04/2019 00:00:00
Data Sub Category: 0 Num.ofObs:10 Group: 309052 Version: 4 Total Len:19068

<309052>		[Sequence for representation of TEMP, TEMP SHIP and TEMP MOBIL observation type data]
<30111>		[Identification of launch site and instrumentation for P, T, U and wind measurements]
<301001>		[WMO block and station numbers]
001001	17	WMO BLOCK NUMBER
001002	30	WMO STATION NUMBER
<301001>		SHIP OR MOBILE LAND STATION IDENTIFIER
001011	SAMSUN	RADIOSONDE TYPE [Vaisala RS10 (Finland)]
002011	35	SOLAR AND INFRARED RADIATION CORRECTION [Solar corrected as specified by country]
002013	7	TRACKING TECHNIQUE/STATUS OF SYSTEM USED [Automatic satellite navigation]
002014	8	TYPE OF MEASURING EQUIPMENT USED [Radio-acoustic Sounding System (RASS)]
002003	8	
<301111>		[Date/time of launch]
<301113>		TIME SIGNIFICANCE
<301011>		[Year, month, day]
004001	2019	YEAR
004002	4	MONTH
004003	24	DAY
<301011>		[Hour, minute, second]
<301013>		TIME SIGNIFICANCE
004004	0	HOUR
004005	0	MINUTE
004006	0	SECOND
<301013>		
<301113>		[Horizontal and vertical coordinates of launch site]
<301114>		[Latitude/longitude (high accuracy)]
<301021>		LATITUDE (HIGH ACCURACY)
005001	41.34	LONGITUDE (HIGH ACCURACY)
006001	36.26	
<301021>		HEIGHT OF STATION GROUND ABOVE MEAN SEA LEVEL
007030	4	HEIGHT OF BAROMETER ABOVE MEAN SEA LEVEL
007031	5	HEIGHT
007007	4	STATION ELEVATION QUALITY MARK (FOR MOBILE STATIONS)
033024	MISSING	
<301114>		[Cloud information reported with vertical soundings]
<302049>		VERTICAL SIGNIFICANCE (SURFACE OBSERVATIONS) [Value not applicable]
008002	62	CLOUD AMOUNT [0 oktas (0/10)]
020011	0	HEIGHT OF BASE OF CLOUD
020013	MISSING	CLOUD TYPE [No CL clouds]
020012	30	

Misc Applications

Metcap CAP Editor

- Creates Common Alerting Protocol reports as stated in ITU catalog
- Creates XML and RSS files
- Makes Validations of the reports.



The screenshot displays the Metcap CAP Editor interface, which is used for creating and validating Common Alerting Protocol (CAP) messages. The interface is divided into several sections:

- Language:** Set to "en-US English USA".
- Message Info:** Includes fields for Identifier, Sent, Event, Urgency, and Description. A map of Central Anatolia is visible in the background.
- Input feed:** Contains the XML code for the CAP message, including details about the flood warning for Central Anatolia and Ankara Metropolitan Area.
- Validate:** A button to validate the CAP message against various profiles (US IPAWS, CAP Canadian, CAP Australian, Google Public Alerts).
- Result:** Shows the validation result, which is "Valid!".
- Web:** Provides a URL to view the CAP message online.
- Area:** Includes a description of the area affected by the warning.

The CAP message details shown in the "Input feed" section include:

- Identifier:** 2.49.0.0.792.0.2017.3.16.9.4.8
- Sender:** kdkuyucu@mgm.gov.tr
- Event:** Flood Risk for Central Anatolia
- Urgency:** Expected
- Severity:** Severe
- Onset:** 2017-03-16T09:11:00-00:00
- Expires:** 2017-03-16T23:58:00-00:00
- Sender Name:** Turkish State Meteorological Service
- Headline:** Flood warning for Central Anatolia and ANKARA Metropolitan Area.
- Description:** Heavy rain and thunderstorm may cause floods in low lying areas.
- Instructions:** Residents in low-lying areas should exercise caution. Avoid low areas. Persons should not be out on the roads during heavy rainfall. If you must be outside, use extreme caution. Do not drive your vehicle into areas where water covers the roadway. Vehicles caught in rising waters should be abandoned quickly. Continue listening to local media as updates will be provided if conditions change significantly. If you require additional information please contact TSMİS at +90 312 302 2531



MetcapPlus



Thank You