



Nýting veðurupplýsinga í rauntíma

HVAÐA KERFI ER VERIÐ AÐ VINNA MEÐ

- TAMDAR (Tropospheric Airborne Meteorological Data Reporting)
 - ❖ Panasonic Weather Solution
- PACE-LAB (Pac Weather Server, En-Route Optimization)
- WSI FUSION (Weather Service International)
 - ❖ IBM Weather solution
- AIR SUPPORT
 - ❖ Flight Plan support (PPS)

TAMDAR

The airborne sensor that automatically measures and reports:

- > TEMPERATURE.
- > HUMIDITY.
- > PRESSURE.
- > AIRCRAFT ALTITUDE & POSITION.
- > WIND SPEED AND DIRECTION.
- > TURBULENCE (EDR).
- > ICING.
- > TIME.



TAMDAR SKEYTI

 **F10306** IN FLIGHT 
Icelandair

KEF → ARN

Filter Flight Number 

OUT

OFF

ON

IN

-

10:06:48
AM

-

-

Tail Number

TF-ISL 

Airframe

Boeing 757

Origin Airport

KEF

Destination Airport

ARN

 OBSERVATIONS

16

 8

Time / Date

10:15:25 AM
07 Nov 2017

Position

64° 6' 11.99" N
20° 52' 36.01" W

GPS Altitude

20230 ft

Pressure
Altitude

21,820 ft

Indicated
Airspeed

320 kts

Ground Track

87°

FOB

-

Air Temperature

-40.2 °C

Relative Humidity

69.0 %

Wind

Turbulence

Icing







30 kts
299°

0.05 Peak EDR
0.05 Avg EDR

None

TAMDAR SKEYTI

**F10554**

IN FLIGHT

✕

KEF →

→ BRU



Filter Flight Number

+

OUT

OFF

ON

IN

-

8:12:49
AM

-

-

Tail Number

TF-FIR >

Airframe

Boeing 757

Origin Airport

KEF

Destination Airport

BRU

• OBSERVATIONS

53



40

<

>

Time / Date

10:25:55 AM
07 Nov 2017

Position

53° 12' 6.01" N
1° 29' 48.01" E

GPS Altitude

39080 ft

Pressure
Altitude

39,700 ft

Indicated
Airspeed

261 kts

Ground Track

117°

FOB

-

Air Temperature

-61.9 °C

Relative Humidity

92.0 %

Wind

Turbulence

Icing







27 kts
161°

0.15 Peak EDR
0.05 Avg EDR

None

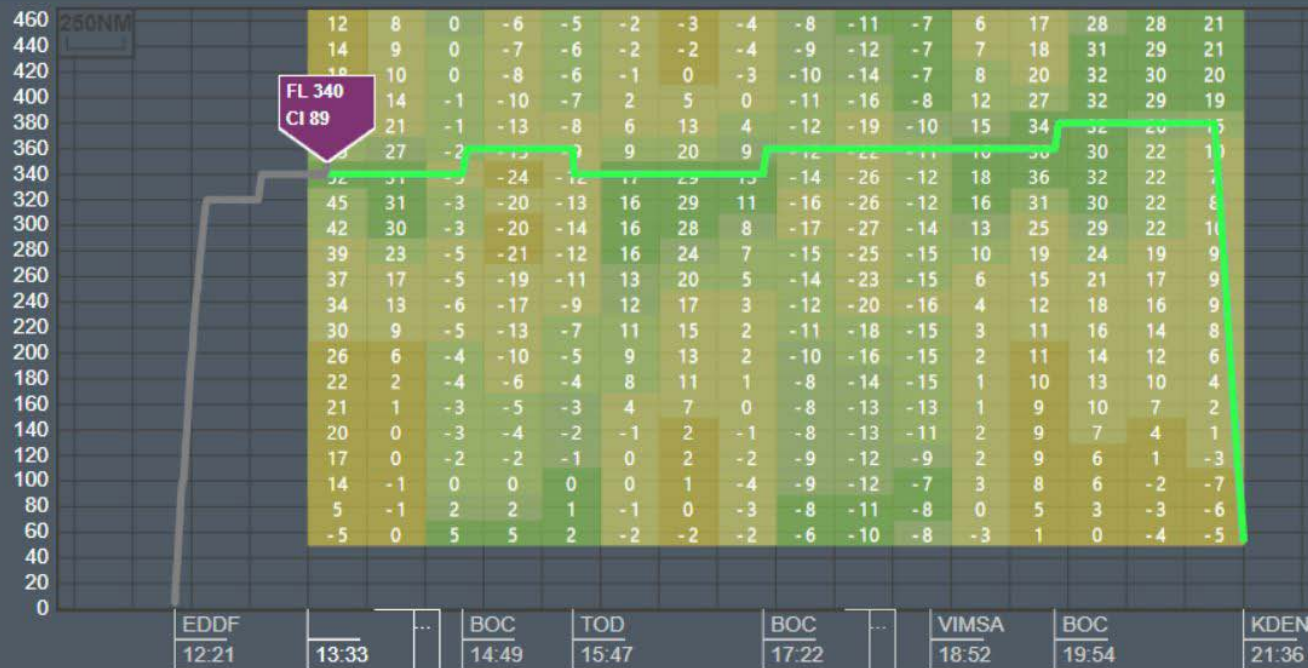
TAMDAR

- Tamdar sensor á öllum B757 farþegaflugvélum Icelandair
- Sendir upplýsingar gegnum Iridium á innan við mínútu fresti í frumklifri og verður lengra á milli skeyta sendinga eftir því sem flugvélin hækkar flugið. Vice-versa í lækkun.
- Sendir upplýsingar á 7 mínútna fresti í farflugi.
- Verður sett á B737 Max vélarnar hjá Icelandair
- Prófanir með uppfærða vinda fyrir lækkun sem flugumsjón sendir til flugvéla gegnum ACARS c.a. 30 mínútum fyrir „Top of Descent“, sýna fram á 35-40 kg. eldsneytis sparnað.

PACE-LAB

- Hluti af Electronic Flight Bag (EFB) á tölvum í flugstjórnarklefanum.
- Tengt við ACARS kerfi flugvélarinnar (Data Link)
- Pace-lab notar upplýsingar frá Panasonic Weather solution (TAMDAR)
- PACE-LAB getur gefið flugmönnum upplýsingar um ákjósanlega farflugshæð og eldsneytissparnað miðað við uppfærða vinda á leiðinni.
- Má búast við allt að 2% eldsneytissparnaði þegar full virkni verður komin á kerfið.

The areas with the most favorable winds in a column are displayed in green and light green. Areas with unfavorable winds are displayed in dark yellow.



PACE-LAB

09 Jul 2016 14:05 UTC

PA446 FRA - DEN

PACE

Load OFF

Airports

Weight & Fuel

Flight Times

Upper Air Data

Airspace

Weather Update 1

Timestamp:
09 Jul 2016 12:00 UTC

Update Time:
09 Jul 2016 14:05 UTC

Weather OFF

Timestamp:
09 Jul 2016 06:00 UTC

Update Time:
09 Jul 2016 08:57 UTC

You select the **Settings** button, and in the **Upper Air Data** view ...

	Mountain	DIST	Tropopause Altitude
	BIBTI	4473 NM	38438 ft
	RASAS	4453 NM	38927 ft
	DIBIR	4431 NM	38842 ft
	LARAS	4368 NM	37785 ft
	SUPUR	4285 NM	39948 ft
	GODOS	4271 NM	39885 ft
	BINBO	4261 NM	39820 ft
	DOKAN	4244 NM	39665 ft

0

EDDF
12:21

14:02

TOD
15:41

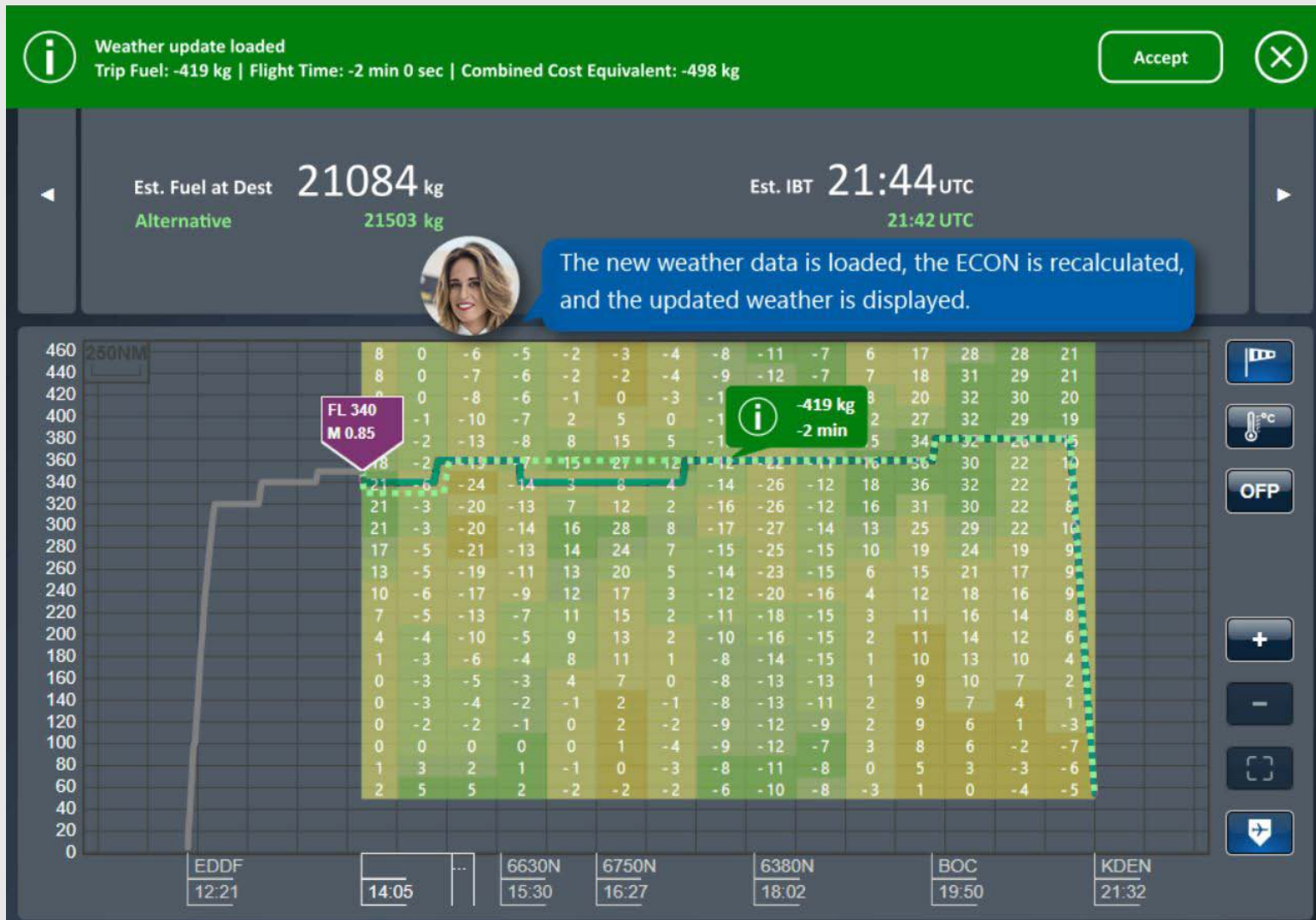
BOC
17:17

VIMSA
18:48

BOC
19:50

KDEN
21:32

PACE-LAB



WSI - FUSION

- WSI Fusion is a proactive operations management solution
Það gefur flugumsjónarmönnum tækifæri á að fylgjast betur með flugvélum félagsins á flugi, flæði á flugvöllum og í loftrými og þar af leiðandi minnkað líkur á atburðarrás sem gæti endað með seinkunum.
- Flight watch / tracking. Flight Details and Airport Details
- Viðvarana skeyti (Alert center - customized) sérsniðin að ICE flugi.
- Volcanic Ash viðvörun og áætluð dreifing
- Möguleiki á að setja upp Pilot Brief module á EFB.

AIR SUPPORT – PPS FLUGPLANSKERFI

ICE1514 08Nov17 0930

Briefing

Flight

Overview

Before Flight

Briefing

NOTAMs

Pre Flight

ATIS / Clearance

Takeoff

View and Sign

De-/Anti-Icing

In Flight

OFF Blocks

Nav Log

Clearance / ATIS

Log

WX

WX Chart

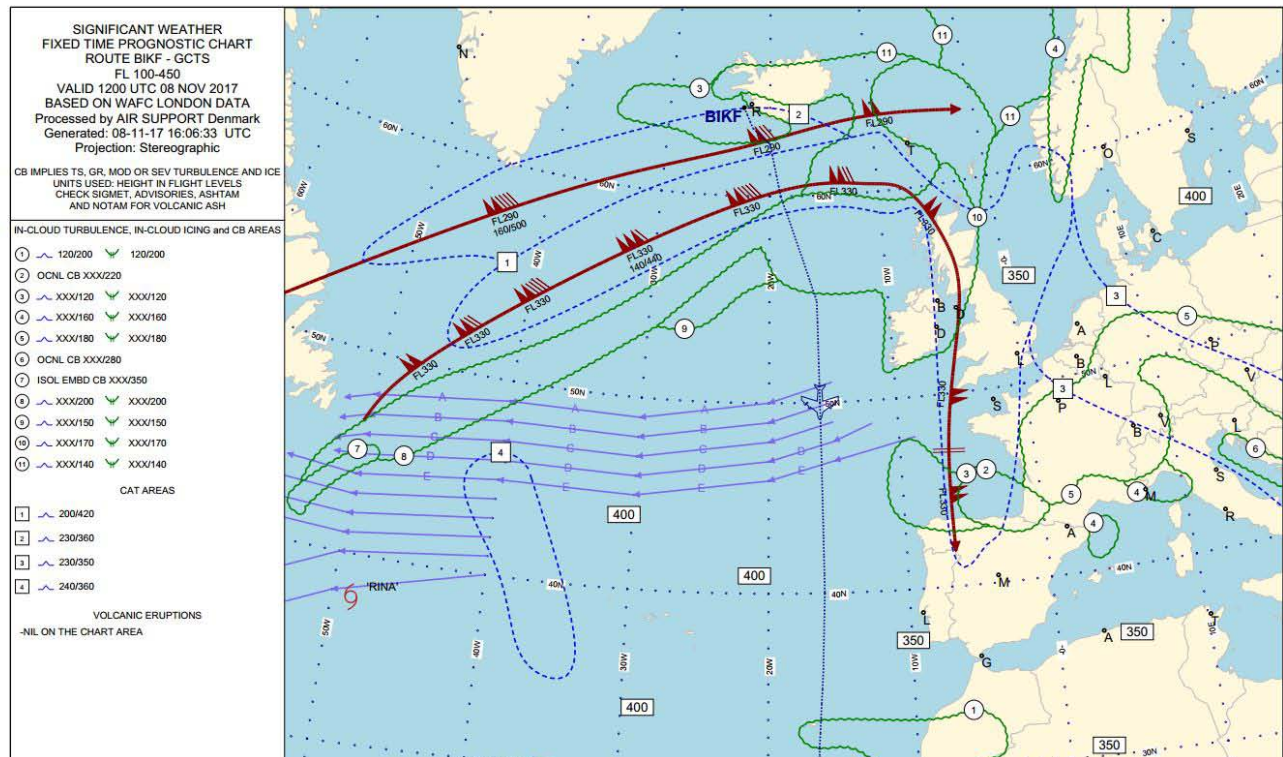
Short ATC

ATC

NOTAMs

Msg

Additional



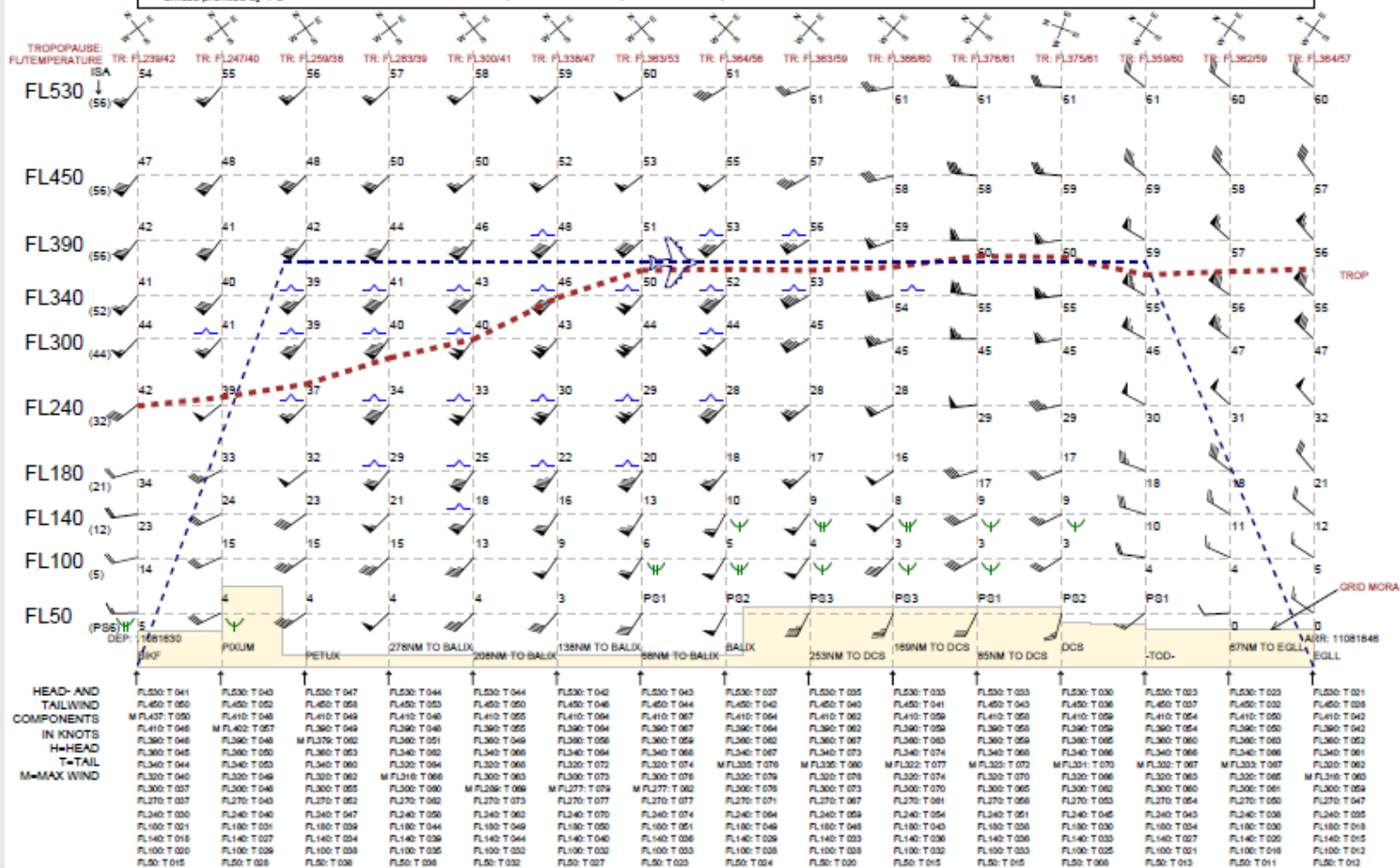
AIR SUPPORT – PPS FLUGPLANSKERFI

Departure 16:30

Units used: KNOTS,
DEGREES CELSIUS
Temperatures
are negative
unless prefixed by 'PS'

VERTICAL CROSS SECTION ALONG THE ROUTE
BIKF - EGLL
WIND, TEMPERATURE, TROPOPAUSE, ICING AND TURBULENCE FORECAST

Based on WAFS data
06 UTC 08 NOV 2017
Processed by
AIR SUPPORT
Denmark



BESTU ÞAKKIR.



SPURNINGAR

