



# INDIA METEOROLOGICAL DEPARTMENT FLIGHT FOLDER

## METEOROLOGICAL DATA FOR FLIGHT VTZOA VIDP-VABB 18-OCT-2016

**Departure** VIDP (INDIRA GANDHI INTERNATIONAL)  
**Destination** VABB (CHHATRAPATI SHIVAJI INTERNATIONAL)  
**Date** Tue Oct 18 10:17:04 2016Z  
**ETD** 1200Z  
**ETE** 0145  
**Username** eflyteops

### Weather Codes and Symbols

QUALIFIER		WEATHER PHENOMENA		
Intensity	Descriptor	Precipitation	Obscuration	Other
– Light (no indicator) Moderate + Heavy VC - In the vicinity	MI - Shallow BC - Patches DR - Low drifting BL - Blowing SH - Shower(s) TS - Thunderstorm FZ - Freezing PR - Partial	DZ - Drizzle RA - Rain SN - Snow SG - Snow grains IC - Ice crystals PL - Ice Pellets GR - Hail GS - Small hail and/or snow pellets	BR - Mist FG - Fog FU - Smoke VA - Volcanic ash DU - Dust (widespread) SA - Sand HZ - Haze	PO - Dust/sand whirls SQ - Squalls FC - Funnel cloud(s) (tornado or waterspout) SS - Sandstorm DS - Duststorm

### SIGNIFICANT WEATHER SYMBOLS

	Severe Icing		Moderate Icing		Severe Turbulence		Moderate turbulence
	Tropical Cyclone		Volcano				
	Tropopause Low		Tropopause Height		Tropopause High		
The double bar denotes changes of Level by 3000 or less and/or wind speeds by 37Km/h (20Kt)							
Short feather - 5 knots Long feather - 10 knots Triangle - 50 knots							

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 IGI Airport  
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 Fax: + 91 11 25652398  
 E-mail: amss20042000@yaoo.co.in

Aerodrome Meteorological Office Chennai  
 Chennai Airport  
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 Fax: + 91 44 22560790  
 E-mail: amochennai@gmail.com

## METAR/TAF

## Departure

VIDP/DEL/NEW DELHI/INDIRA GANDHI INTERNATIONAL

METAR VIDP 181000Z 31008KT 4000 HZ NSC 34/11 Q1009 NOSIG=

TAF TT VIDP 180500Z 1806/1912 29006KT 4000 HZ NSC

BECMG 1814/1815 26004KT 3000 HZ FU

BECMG 1821/1822 VRB02KT 2000 FU

BECMG 1903/1905 26005KT 3000 FU HZ FEW100

BECMG 1906/1908 29007KT 4000 HZ=

Forecast for station VIDP: Indira Gandhi Intl Apt, India 28.34N 077.07E

Observation time: [Day 18 05:00] Forecast start time: [Day 18 06:00]

Until time: [Day 19 12:00] Wind direction: 290 degrees Wind speed: 3.1 m/s ((6kt) Horizontal visibility: 4000 metres Weather: Haze No significant clouds -----

Becoming time: [Day 18 14:00] Until time: [Day 18 15:00]

Wind direction: 260 degrees Wind speed: 2.1 m/s ((4kt)

Horizontal visibility: 3000 metres Weather: Haze; Smoke

----- Becoming time: [Day 18 21:00] Until time: [Day 18 22:00] Wind direction is variable Wind speed: 1.0 m/s ((2kt) Horizontal visibility: 2000 metres Weather: Smoke -----

Becoming time: [Day 19 03:00] Until time: [Day 19 05:00] Wind direction: 260 degrees Wind speed: 2.6 m/s ((5kt) Horizontal visibility: 3000 metres Weather: Smoke; Haze Few Clouds (1 to 2 oktas) at 3000 meters (10000ft)

----- Becoming time: [Day 19 06:00] Until time: [Day 19 08:00] Wind direction: 290 degrees Wind speed: 3.6 m/s ((7kt) Horizontal visibility: 4000 metres Weather: Haze

## Destination

VABB/BOM/MUMBAI/CHHATRAPATI SHIVAJI INTERNATIONAL

METAR VABB 181000Z 01005KT 4000 FU SCT020 36/15 Q1007 NOSIG=

TAF TT VABB 180500Z 1806/1912 31008KT 2000 HZ FEW020 BKN100

BECMG 1810/1812 3000 HZ FU

BECMG 1818/1820 VRB04KT 2000 HZ

BECMG 1904/1906 31008KT

BECMG 1910/1912 3000 HZ FU=

Forecast for station VABB: Mumbai/Chhatrapati Shivaji Intl., India 19.07N

072.51E Observation time: [Day 18 05:00] Forecast start time: [Day 18 06:00]

Until time: [Day 19 12:00] Wind direction: 310 degrees Wind speed: 4.1 m/s ((8kt) Horizontal visibility: 2000 metres Weather: Haze Few Clouds (1 to 2 oktas) at 600 meters (2000ft) Broken Clouds (5 to 7 oktas) at 3000 meters (10000ft) -----

Becoming time: [Day 18 10:00] Until time: [Day 18 12:00]

Horizontal visibility: 3000 metres Weather: Haze; Smoke

----- Becoming time: [Day 18 18:00] Until time: [Day 18 20:00] Wind direction is variable Wind speed: 2.1 m/s ((4kt) Horizontal visibility: 2000 metres Weather: Haze -----

Becoming time: [Day 19 04:00] Until time: [Day 19 06:00]

Wind direction: 310 degrees Wind speed: 4.1 m/s ((8kt)

----- Becoming  
time: [Day 19 10:00] Until time: [Day 19 12:00] Horizontal visibility: 3000  
metres Weather: Haze; Smoke

## Alternates/En-route

### VIJP/JAI/JAIPUR/JAIPUR INTERNATIONAL

METAR VIJP 181000Z VRB03KT 8000 NSC 34/05 Q1010 NOSIG=

TAFJT VIJP 180500Z 1806/1912 32006KT 6000 FEW035

BECMG 1813/1814 VRB02KT 4000 HZ NSC

BECMG 1903/1905 29005KT 6000 FEW035=

Forecast for station VIJP: Jaipur Intl Apt, India 26.4927N 075.4844E

Observation time: [Day 18 05:00] Forecast start time: [Day 18 06:00] Until  
time: [Day 19 12:00] Wind direction: 320 degrees Wind speed: 3.1 m/s ((6kt)  
Horizontal visibility: 6000 metres Few Clouds (1 to 2 oktas) at 1050 meters  
(3500ft) -----

Becoming time: [Day 18 13:00] Until time: [Day 18 14:00] Wind  
direction is variable Wind speed: 1.0 m/s ((2kt) Horizontal  
visibility: 4000 metres Weather: Haze No significant clouds

----- Becoming  
time: [Day 19 03:00] Until time: [Day 19 05:00] Wind direction: 290 degrees  
Wind speed: 2.6 m/s ((5kt) Horizontal visibility: 6000 metres Few Clouds (1  
to 2 oktas) at 1050 meters (3500ft)

### VAAH/AMD/AHMEDABAD/SARDAR VALLABHBHAI PATEL INTERNA

METAR VAAH 181000Z 29004KT 6000 FEW020 SCT080 35/13 Q1009 NOSIG=

TAFJT VAAH 180500Z 1806/1912 34006KT 6000 FEW080

BECMG 1813/1815 33005KT 4000 FUHZ

BECMG 1901/1903 32005KT 2500 HZ

BECMG 1905/1907 6000 NSC=

Forecast for station VAAH: Sardar Vallabhbhai Patel Intl Apt, India

23.0438N 072.3805E Observation time: [Day 18 05:00] Forecast start  
time: [Day 18 06:00] Until time: [Day 19 12:00] Wind direction:  
340 degrees Wind speed: 3.1 m/s ((6kt) Horizontal visibility:  
6000 metres Few Clouds (1 to 2 oktas) at 2400 meters (8000ft)

----- Becoming  
time: [Day 18 13:00] Until time: [Day 18 15:00] Wind direction: 330 degrees  
Wind speed: 2.6 m/s ((5kt) Horizontal visibility: 4000 metres Weather: Smoke,  
Haze -----

Becoming  
time: [Day 19 01:00] Until time: [Day 19 03:00] Wind direction: 320 degrees  
Wind speed: 2.6 m/s ((5kt) Horizontal visibility: 2500 metres Weather: Haze

----- Becoming  
time: [Day 19 05:00] Until time: [Day 19 07:00] Horizontal visibility: 6000  
metres No significant clouds

### VAPO/PNQ/PUNE/PUNE

METAR VAPO NO DATA AVAILABLE=

TAFJT VAPO NO DATA AVAILABLE=

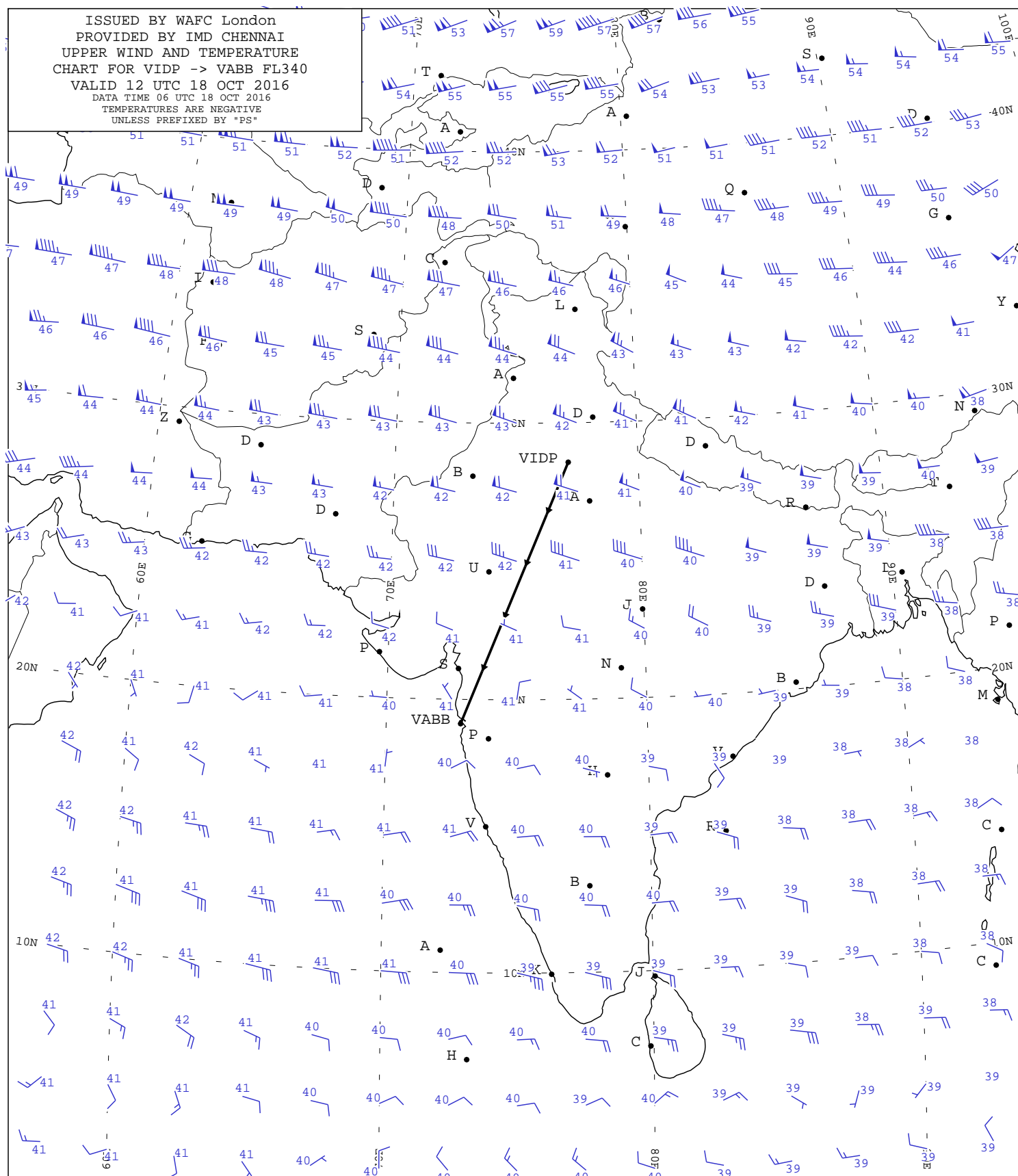
## OTHER MESSAGES

TAKE-OFF DATA FOR VIDP OF 0900 UTC ON 2016/10/18  
DATE: 18 OCTOBER 2016

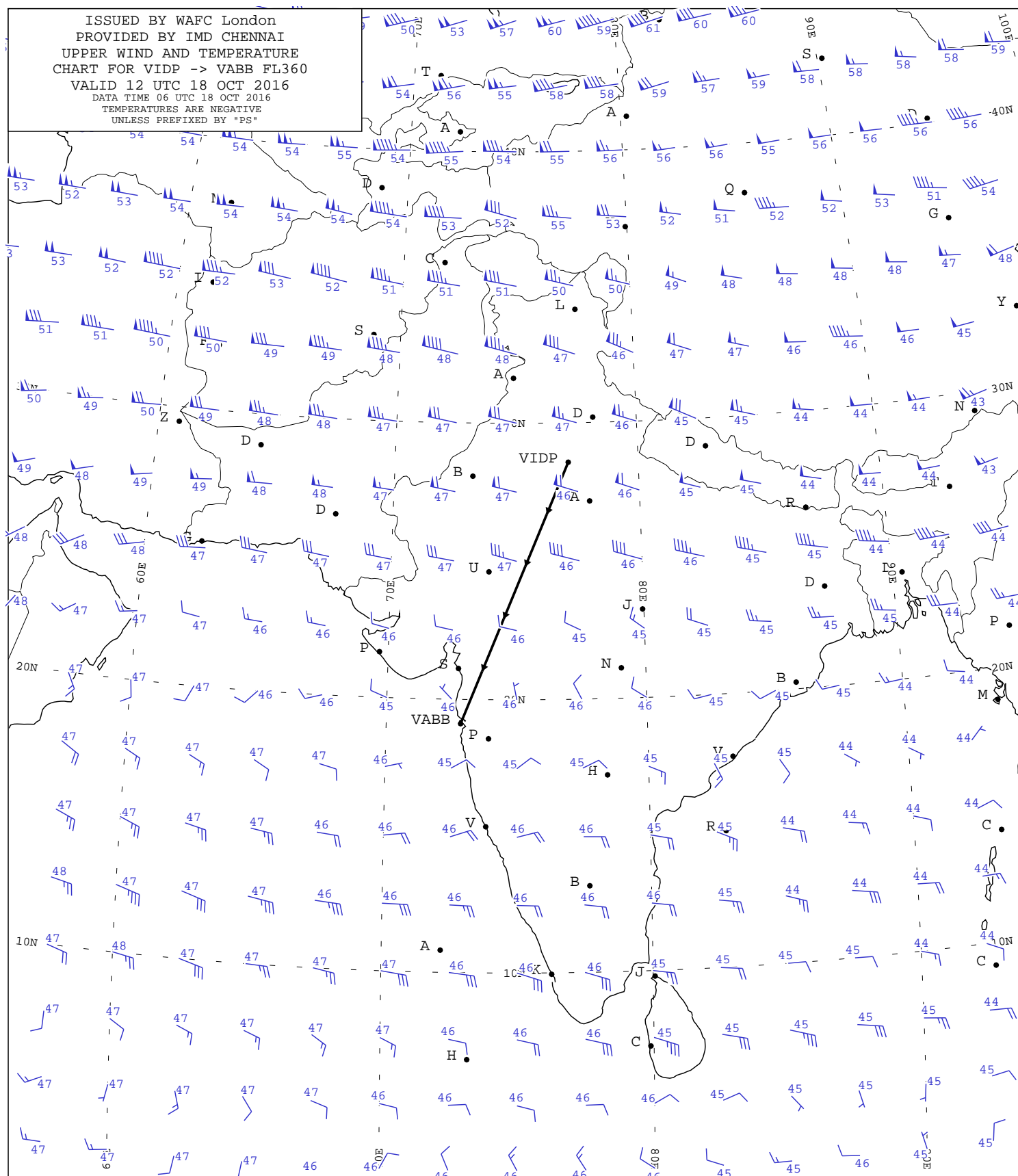
TIME	WIND	TEMP	QFE (HPA)	QNH (HPA)	RMK
1000Z	310/07KT	34	0982	1009	
1100Z	310/06KT	33	0982	1009	
1200Z	300/06KT	32	0982	1009	
1300Z	290/06KT	31	0982	1009	
1400Z	290/05KT	29	0983	1010	
1500Z	280/04KT	28	0984	1011	=



ISSUED BY WAFc London  
 PROVIDED BY IMD CHENNAI  
 UPPER WIND AND TEMPERATURE  
 CHART FOR VIDP -> VABB FL340  
 VALID 12 UTC 18 OCT 2016  
 DATA TIME 06 UTC 18 OCT 2016  
 TEMPERATURES ARE NEGATIVE  
 UNLESS PREFIXED BY "PS"



ISSUED BY WAFC London  
 PROVIDED BY IMD CHENNAI  
 UPPER WIND AND TEMPERATURE  
 CHART FOR VIDP -> VABB FL360  
 VALID 12 UTC 18 OCT 2016  
 DATA TIME 06 UTC 18 OCT 2016  
 TEMPERATURES ARE NEGATIVE  
 UNLESS PREFIXED BY "PS"





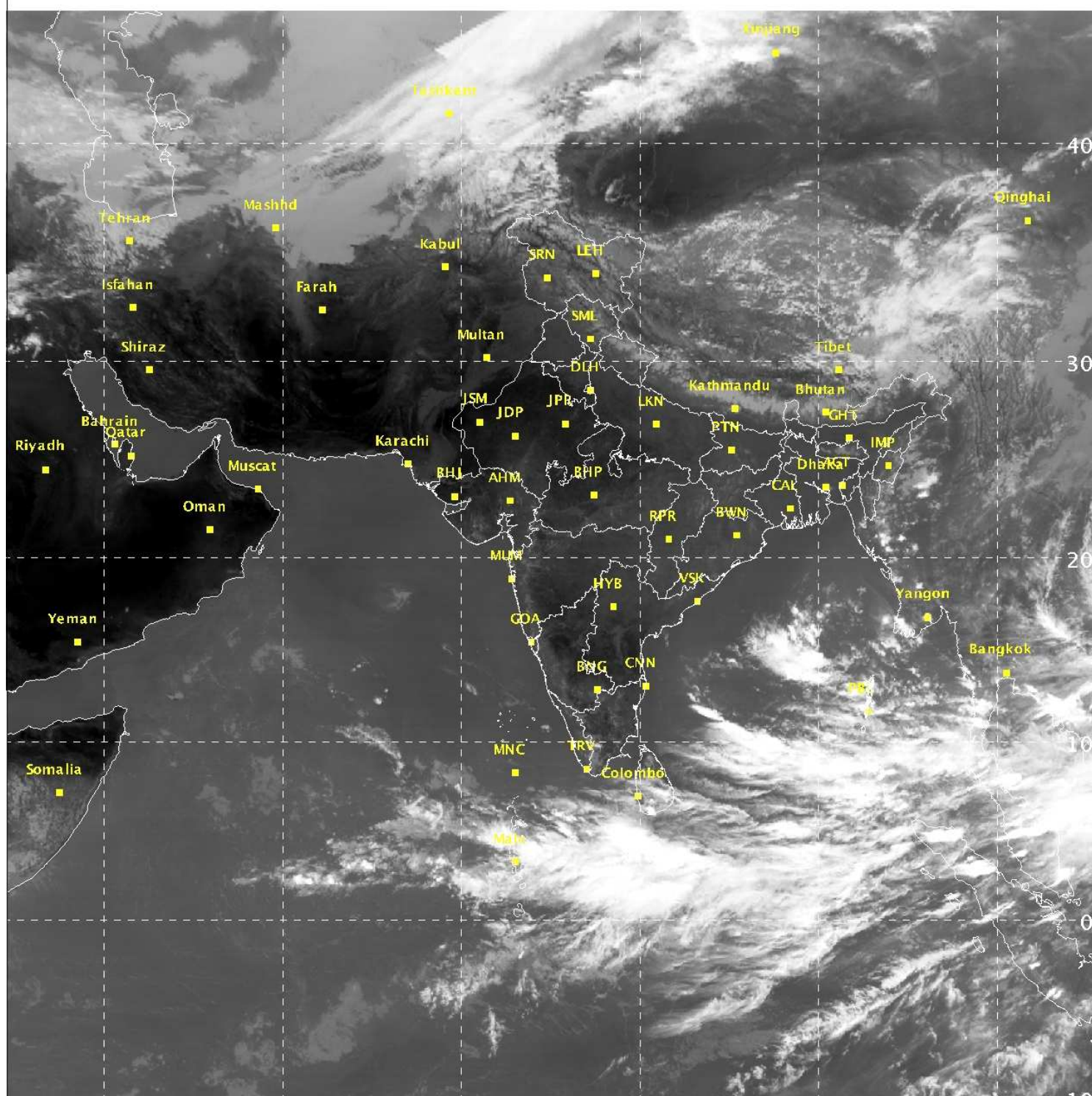
SAT :INSAT-3D IMG

IMG\_TIR2 12.0 um

L1C Mercator (LINEAR STRETCH: 1.0% )

18-10-2016/09:00 GMT

18-10-2016/14:30 IST

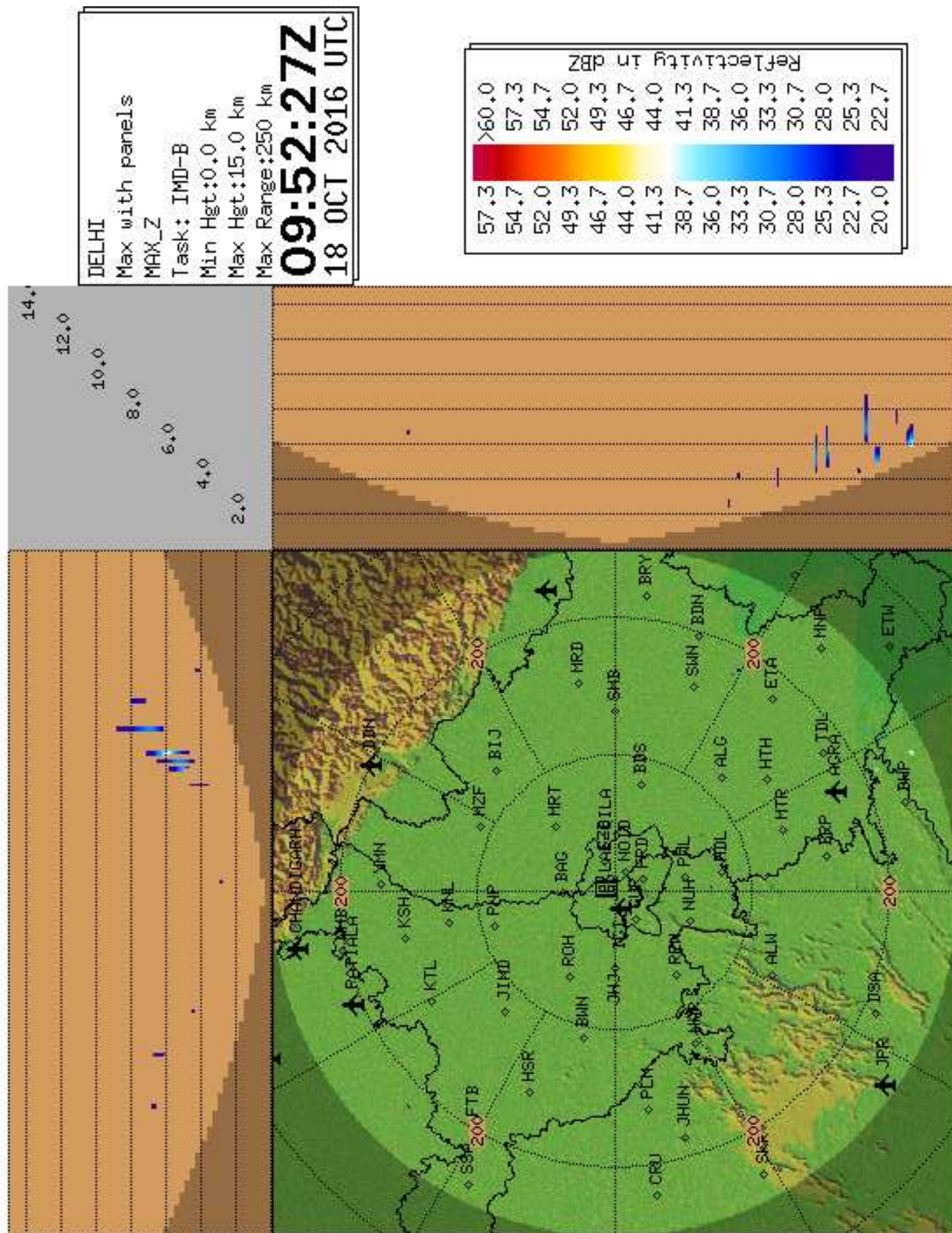


356

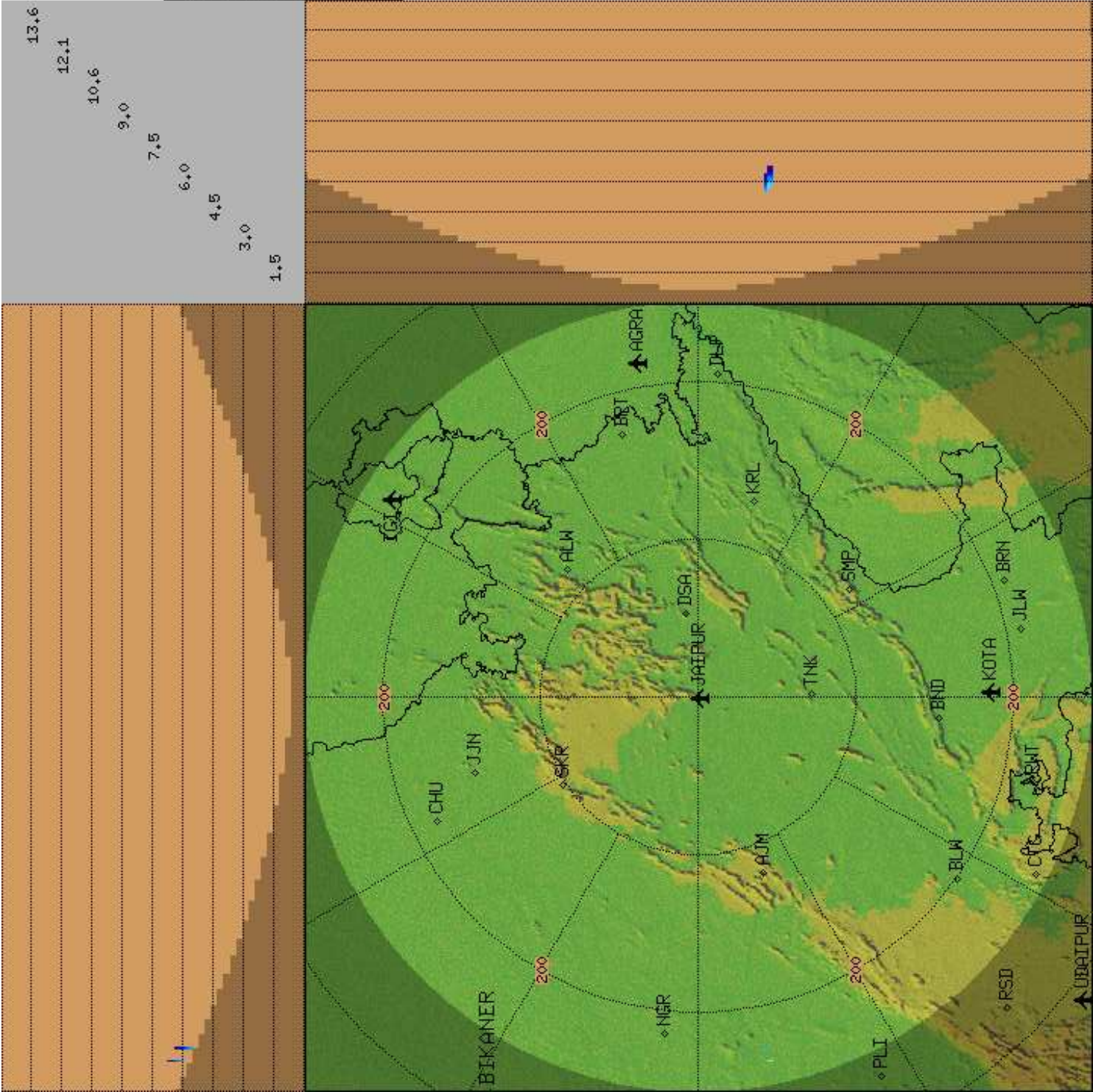
872

IMD/Delhi









JAIPIR  
Max with panels  
MAX\_Z  
Task: IMD-B  
Min Hgt:0.0 km  
Max Hgt:15.0 km  
Max Range:250 km  
**09:52:53Z**  
**18 OCT 2016 UTC**

2016/10/18 09:55:56 (UTC)

MAX(Z)

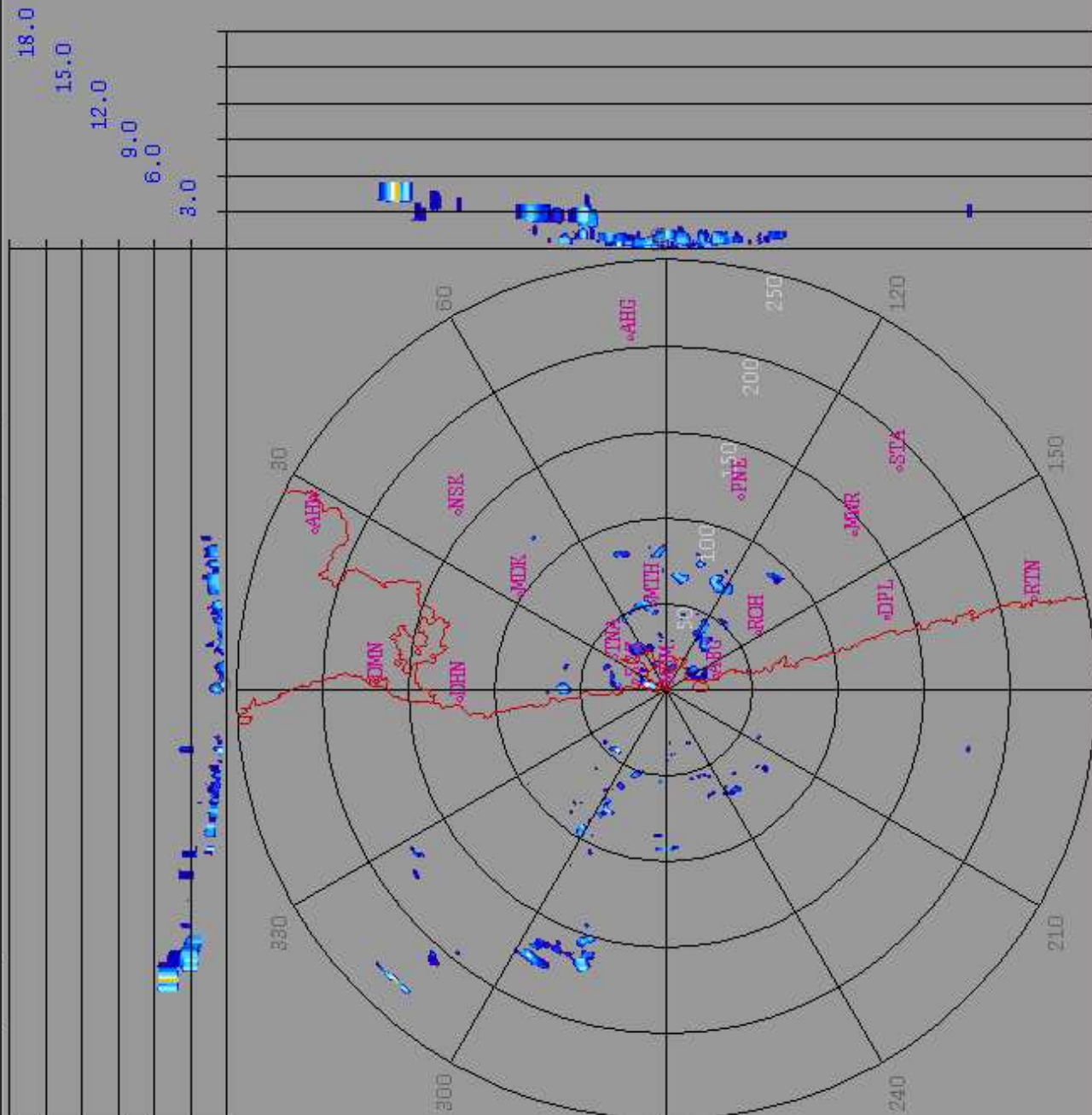
DNR MUMBAI

( 18.9013N , 72.8076E , 100.00 mts )

Height	: 18.0 Km
Layer Spacing	: 0.100 Km
Z (Lo, Hi)	: -32.0, 95.0 dBZ
Grid size	: 1 Km
Display Range	: 250 Km
Display Res	: 1.0 Km/Pix
DDR Enable	: Yes
Scan Elev (Lo, Hi)	: 0.2, 21.0 Deg
PRF (Lo, Hi)	: 450, 600 Hz
Scan Res	: 300 mts
Scan RPM	: 2.0
Log Threshold	: 2 dB
DTP	: 42
Pulse Width	: 2.0
Notch Width	: 54.0 Hz
SQI	: 0.25
CSR	: 20
Scan Range	: 240 Km
Preprocessings	: NONE

dBZ

Color	dBZ Value
White	No Data
Red	62.0
Orange-Red	59.0
Orange	56.0
Yellow-Orange	53.0
Yellow	50.0
Light Yellow	47.0
White	44.0
Light Blue	41.0
Blue	38.0
Dark Blue	35.0
Very Dark Blue	32.0
Very Dark Blue	29.0
Very Dark Blue	26.0
Very Dark Blue	23.0
Purple	20.0
Purple	> 65.0



Route VIDP -> VABB  
Raw data from WAFc London  
Valid 12 UTC 18 Oct 2016  
The terrain profile should not be used  
for operational purpose

Wind direction is relative to the aircraft symbol.  
All other elements relates to cross-section axis.

