



मौसम सेवाओं की उपयोगिता

01 जुलाई 2011

देवेन्द्र प्रधान, वैज्ञानिक-ई

डॉप्लर मौसम रेडार, कोलकाता

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

डॉप्लर रेडार, कोलकाता



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



मौसम विज्ञान विभाग द्वारा लगाये गये डॉप्लर रेडार

1. चेन्नाई – वर्ष 2002
2. कोलकाता - वर्ष 2003
3. मछलीपट्टनम- वर्ष 2005
4. विशाखापट्टनम- वर्ष 2005
5. श्री हरीकोटा- वर्ष 2004
6. नई दिल्ली- वर्ष 2010
7. हैदराबाद - वर्ष 2010



7. नागपुर - वर्ष 2011

8. अगरतला- वर्ष 2011

9. पटना- वर्ष 2011

ये सभी डॉप्लर रेडार एस- बैंड (तरंग लम्बाई 10से.मी.) में कार्य करते हैं। इसी वर्ष दो और डॉप्लर रेडार (सी- बैंड तरंग लम्बाई 5 से.मी.) आयात किये जा रहे हैं, जिनको नई दिल्ली और जयपुर में स्थापित किया जायेगा।

भारत मौसम विज्ञान विभाग ने अगले कुछ वर्षों में 40 और डॉप्लर रेडार स्थापित करने का कार्यक्रम बना लिया है और आशा है कि पूरे देश को डॉप्लर रेडार के संजाल द्वारा ढँक लिया जायेगा।



डॉप्लर रेडार की मौसम सेवाओं में उपयोगिता

- समुद्री चक्रवाती तूफान के पथ का पूर्वानुमान और पवन वेग का सही अनुमान
- गर्जन मेघ (Thunderstorm), भारी वर्षा, बवंडर(Tornado) और अन्य मौसम सम्बंधित घटनाओं का तात्कालिक पूर्वानुमान(Nowcasting) और अगले 3-4 घंटों की चेतावनी।
- मानसून काल में बनने वाले निम्न दाब(Low Pressure), गहरे दबाव का क्षेत्र(Depression) और उससे होनी वाली भारी व लगातार वर्षा का पूर्वानुमान।



- विमानन क्षेत्र(Aviation) में योगदान ।
- कपासी वर्षी मेघों (Cumulonimbus clouds) की ऊँचाई का सही निर्धारण और उससे जनित्र चंड्वाती पवन(Squally Winds) का यथार्थ अनुमान।



डॉप्लर रेडार की विशेषतायें

1. सम्पूर्ण रूप से स्वचालित और लगातार 24 घंटे और 365 दिनों तक मौसम के आंकड़े जमा करते रहना।
2. अंकीय आंकड़ों (Digital data) का संग्रहण और वास्तविक समय में विश्लेषण और महत्वपूर्ण उत्पादों का उत्पादन।
3. वर्षण (Precipitation) के अलावा पवन गति(Wind Speed) का मापन (जो पुराने रेडार में सम्भव नहीं था) और “स्पेक्ट्रम” विद्युत (spectrum Width) का अनुमान भी सम्भव हो पाया है।



**डॉप्लर रेडार कोलकाता द्वारा
15 नवम्बर 2007
को अंकित किये गये
अति प्रचंड समुद्री चक्रवाती तूफान
(Very Severe Cyclonic storm)
(सिडर)
के चित्र**



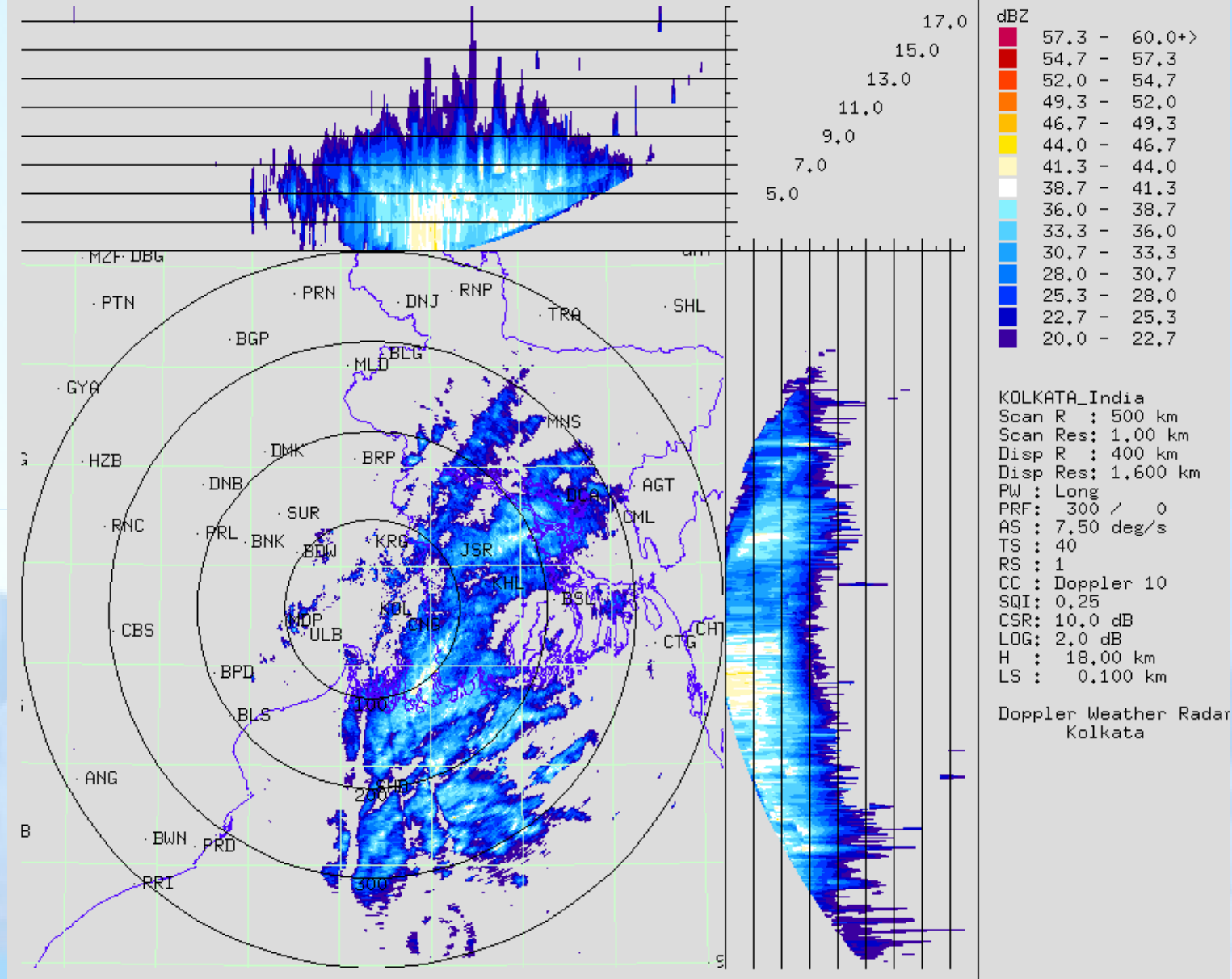
File : 2007111505343935.caz

Type : MAX(Z)

Range: 400.0 km

15.11.2007

05:34:39



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



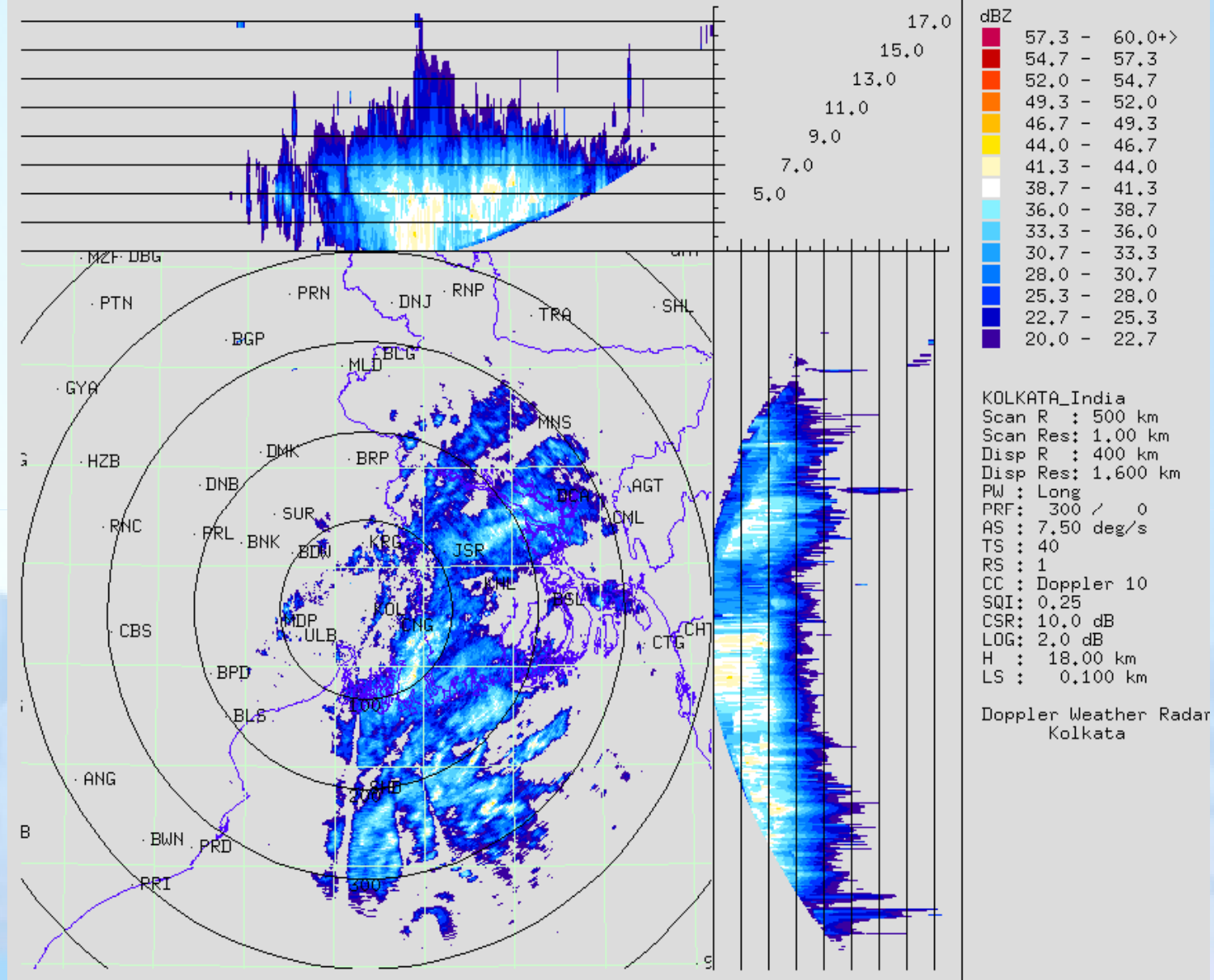
File : 2007111505523952.caz

Type : MAX(Z)

Range: 400.0 km

15.11.2007

05:52:39

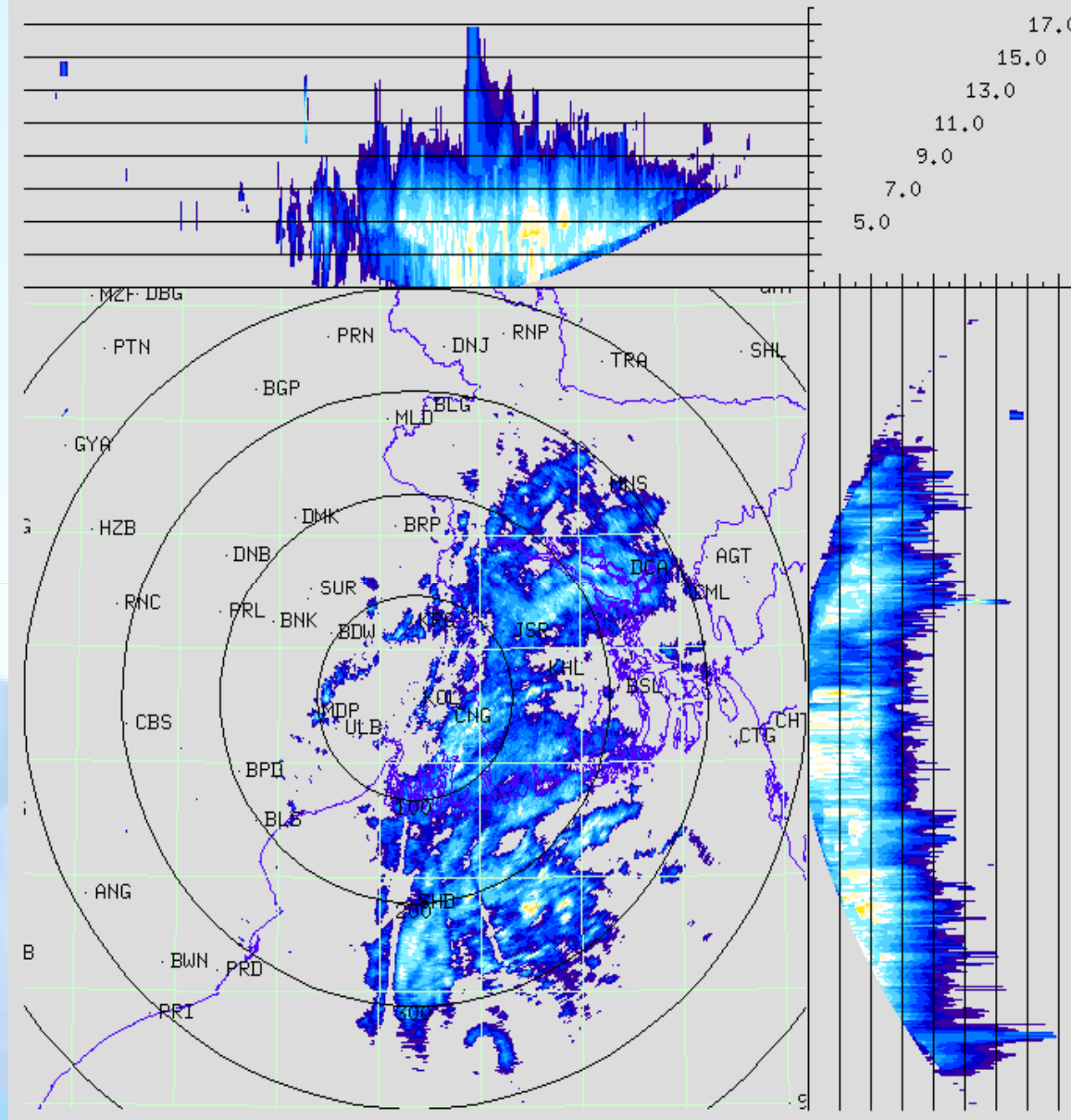


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2007111506103969.caz
 Type : MAX(Z)
 Range: 400,0 km

15.11.2007
 06:10:39



dBZ

| |
|--------------|
| 57.3 - 60.0+ |
| 54.7 - 57.3 |
| 52.0 - 54.7 |
| 49.3 - 52.0 |
| 46.7 - 49.3 |
| 44.0 - 46.7 |
| 41.3 - 44.0 |
| 38.7 - 41.3 |
| 36.0 - 38.7 |
| 33.3 - 36.0 |
| 30.7 - 33.3 |
| 28.0 - 30.7 |
| 25.3 - 28.0 |
| 22.7 - 25.3 |
| 20.0 - 22.7 |

KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata

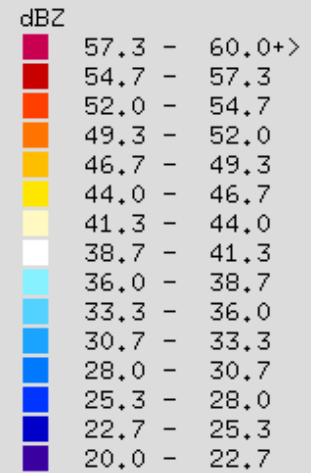
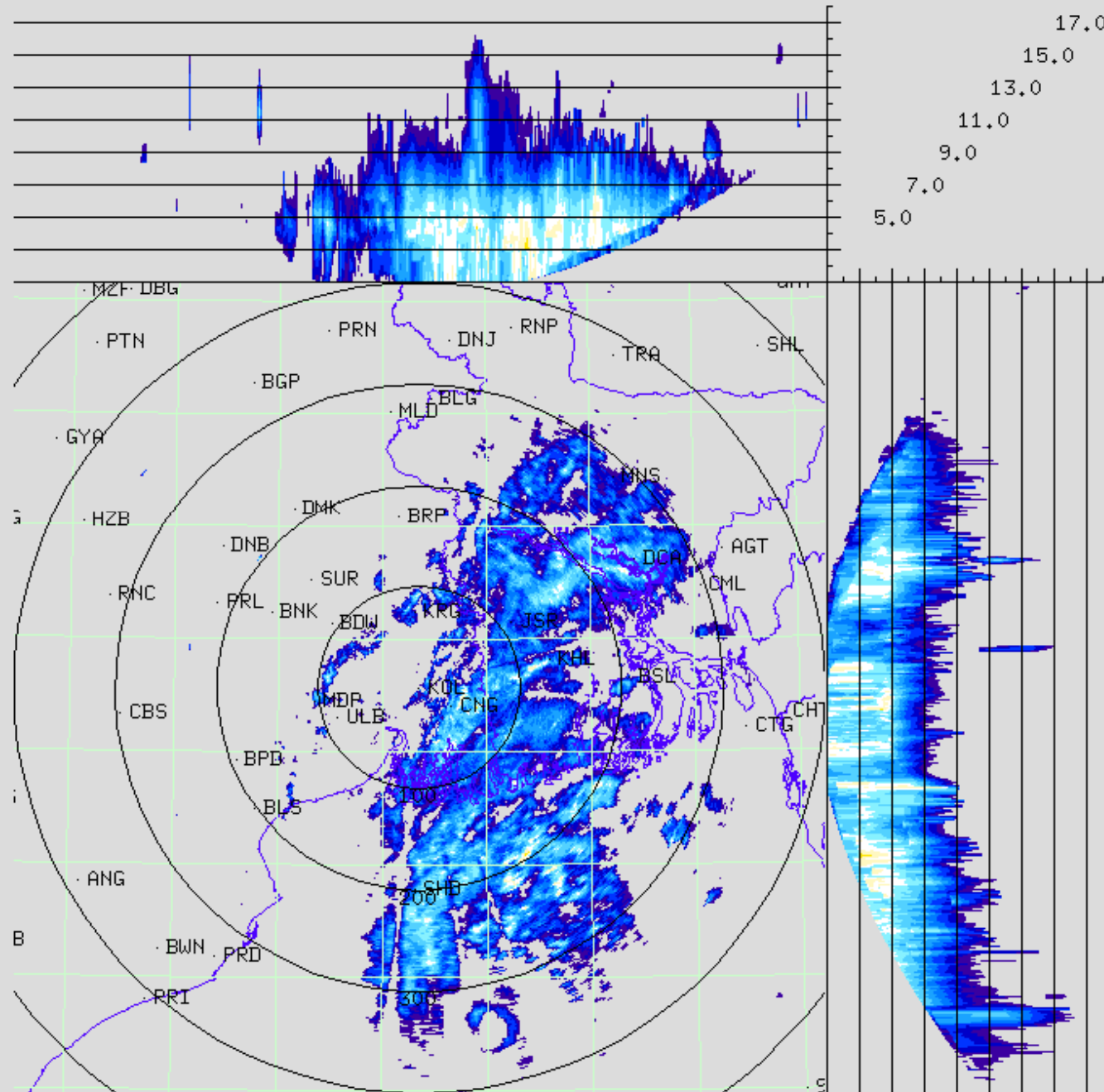


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2007111506283986.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 06:28:39



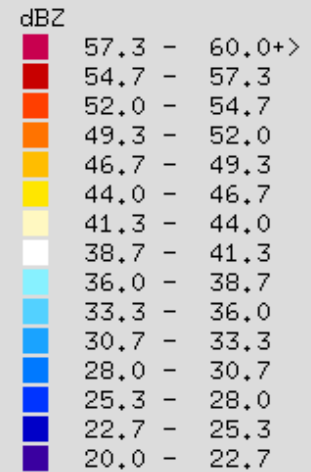
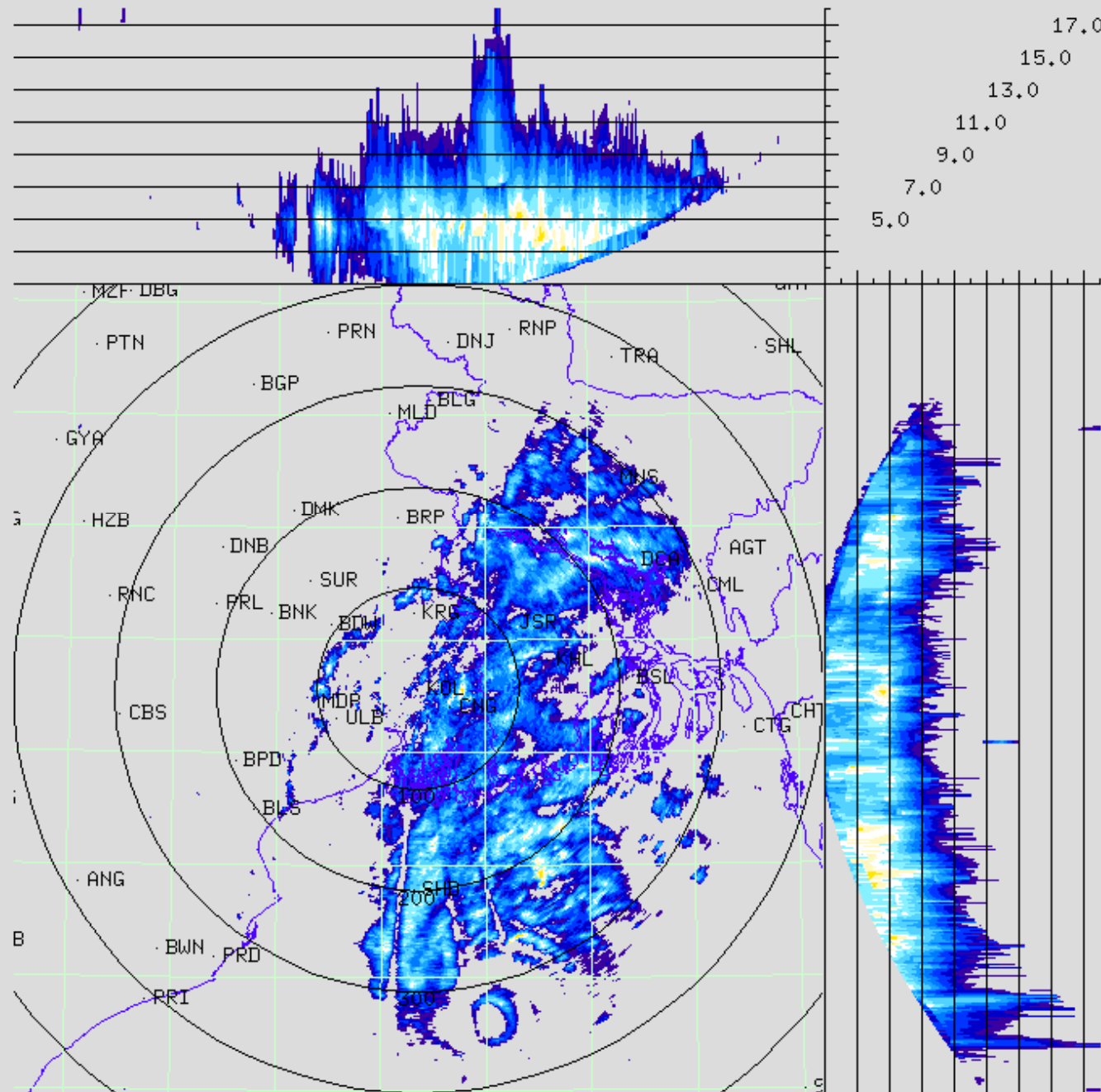
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111506463903.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 06:46:39



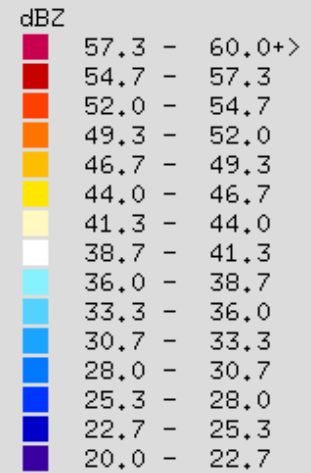
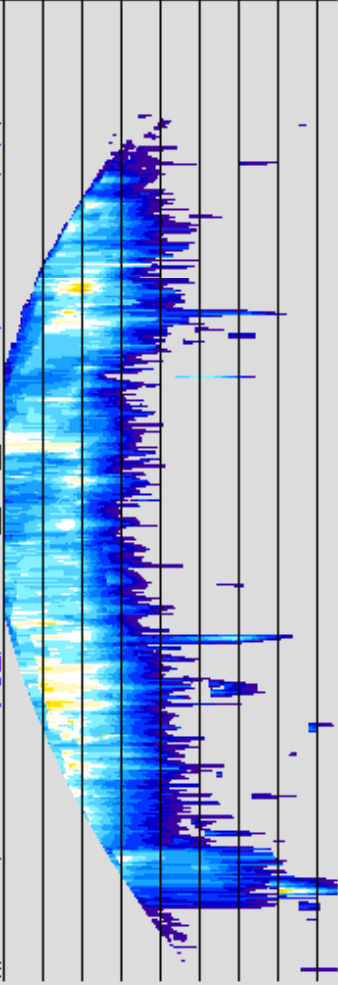
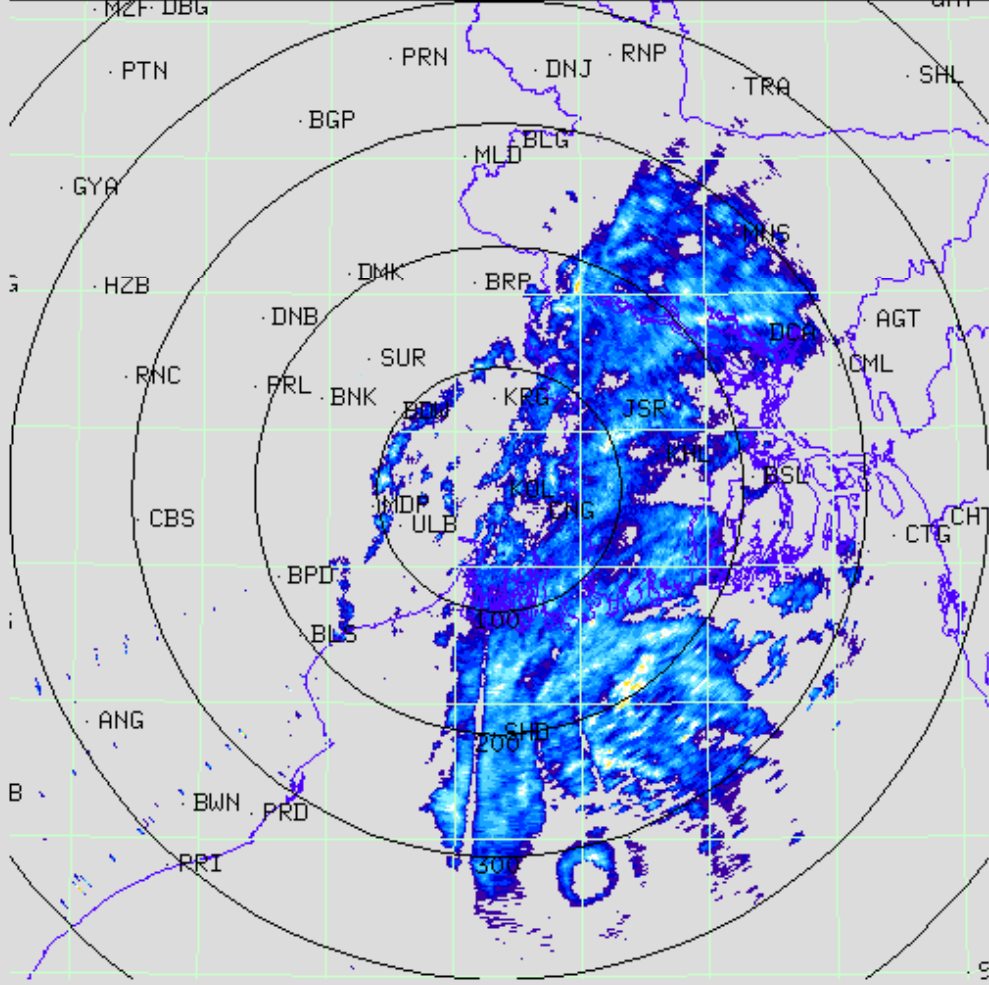
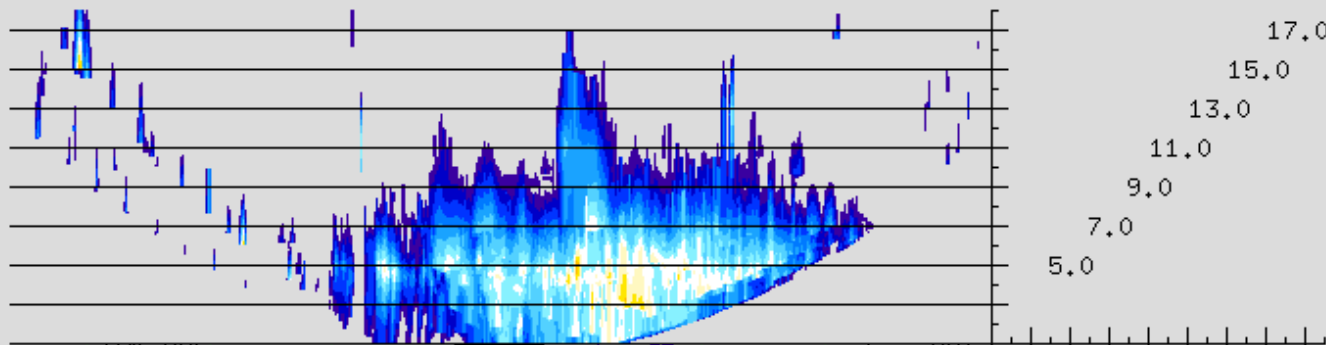
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111507043820.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 07:04:38



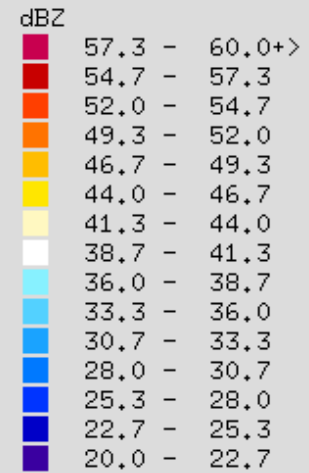
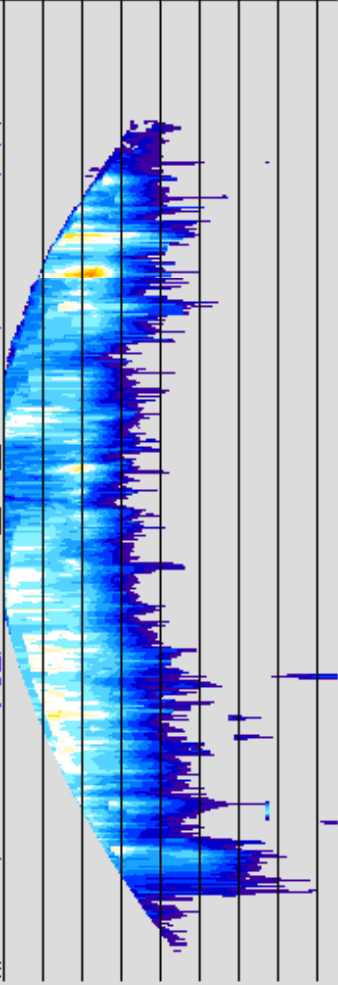
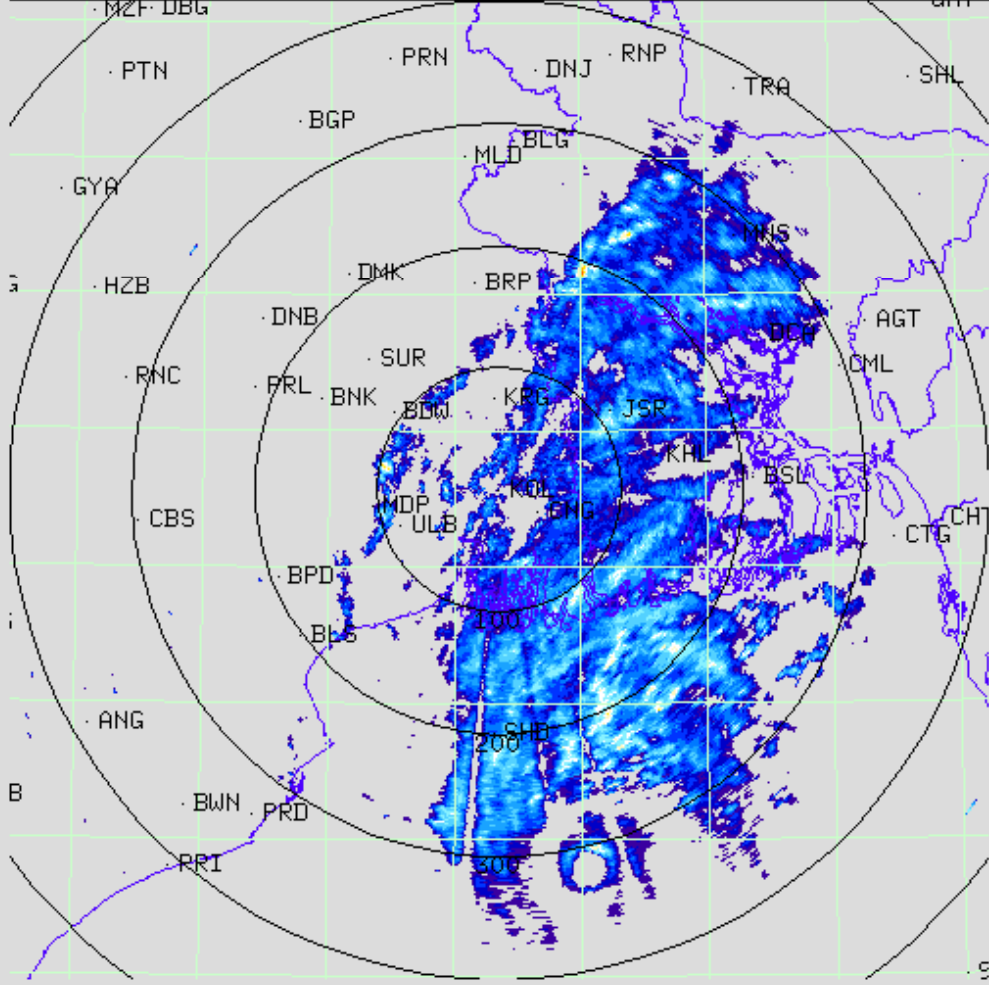
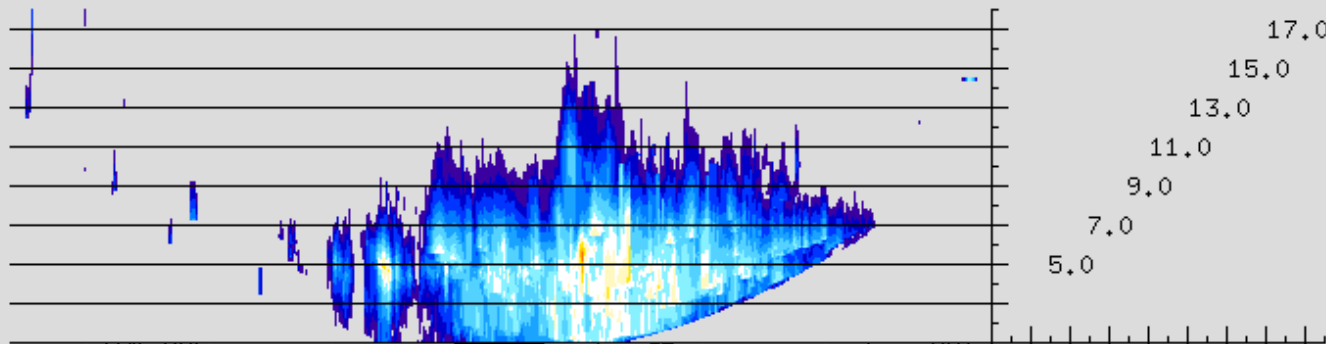
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111507223937.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 07:22:39



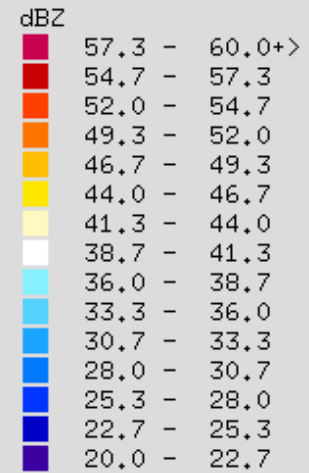
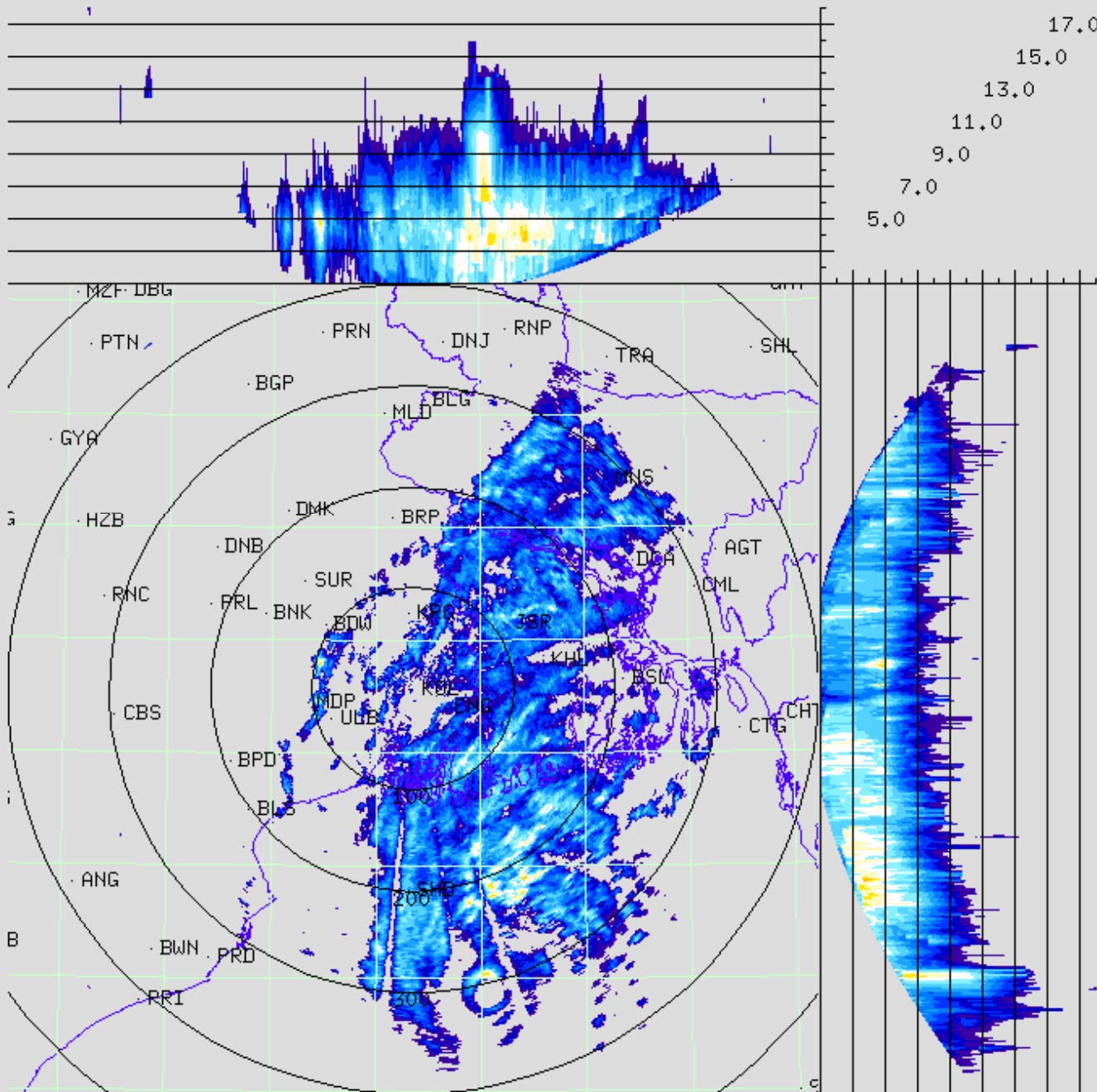
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111507403954.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 07:40:39



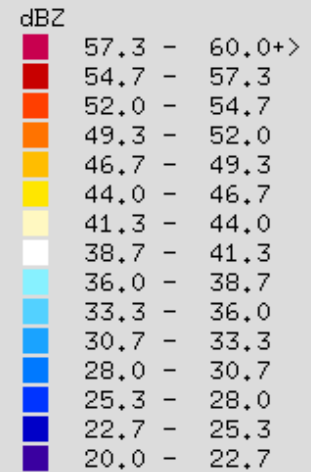
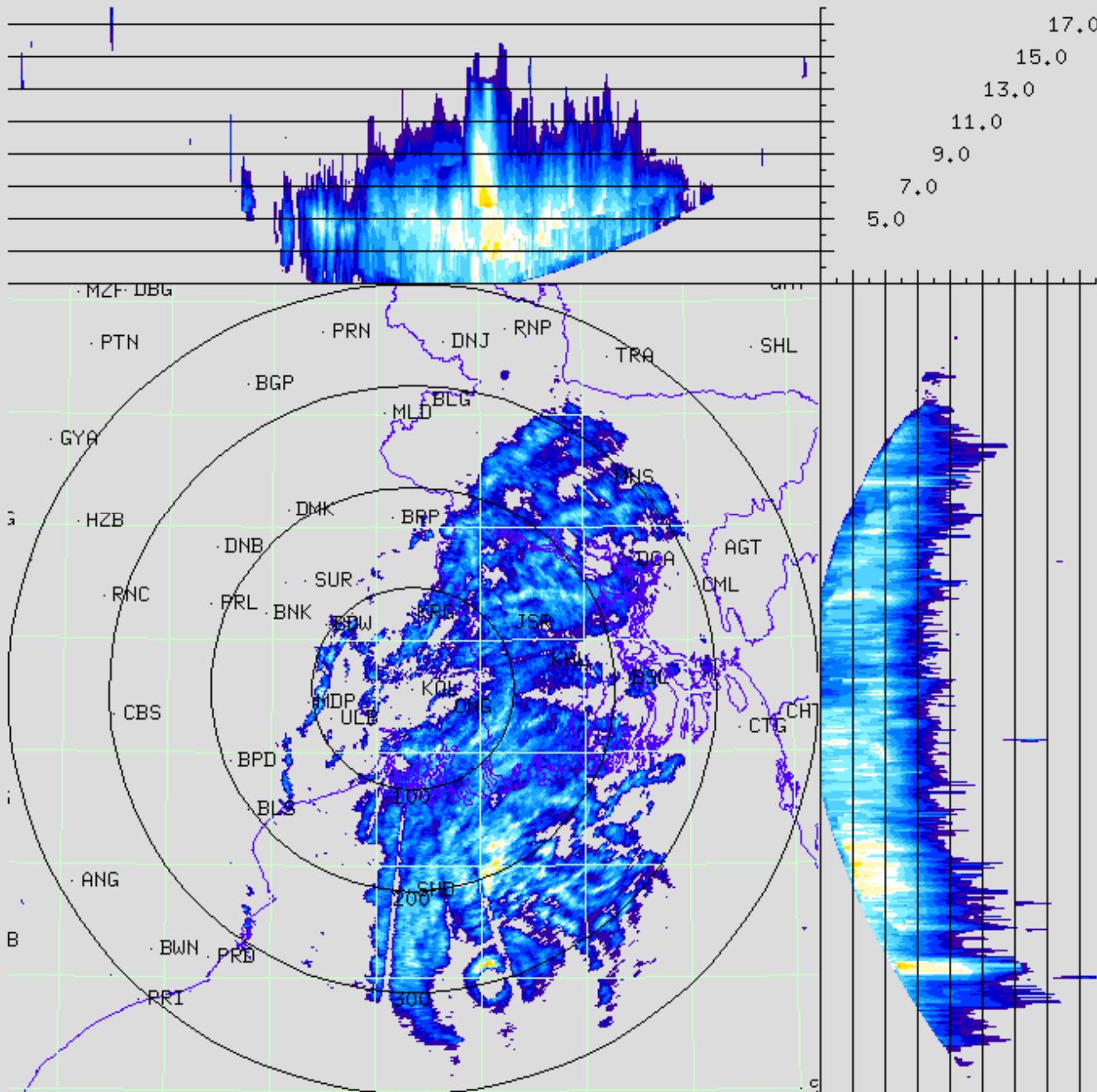
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111508000371.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 08:00:03



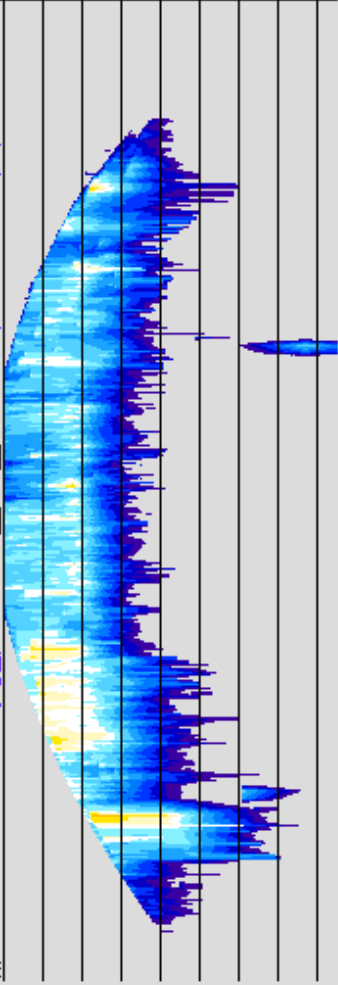
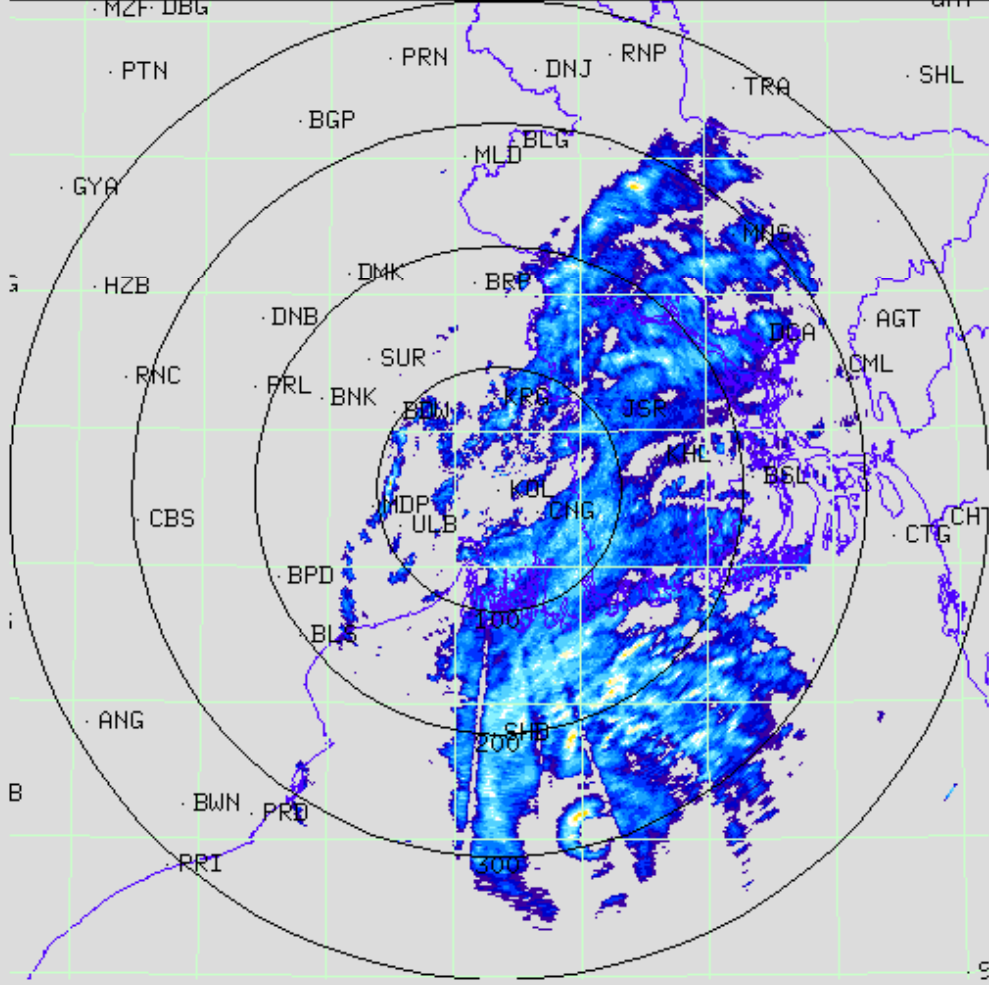
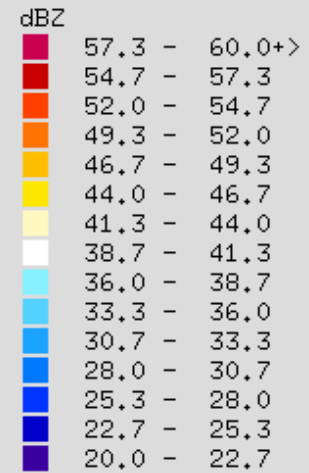
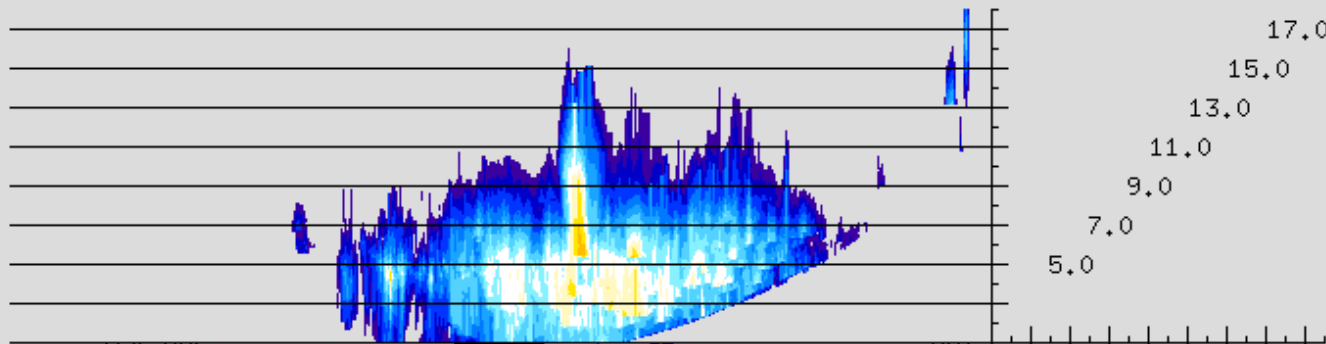
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111508200788.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 08:20:07



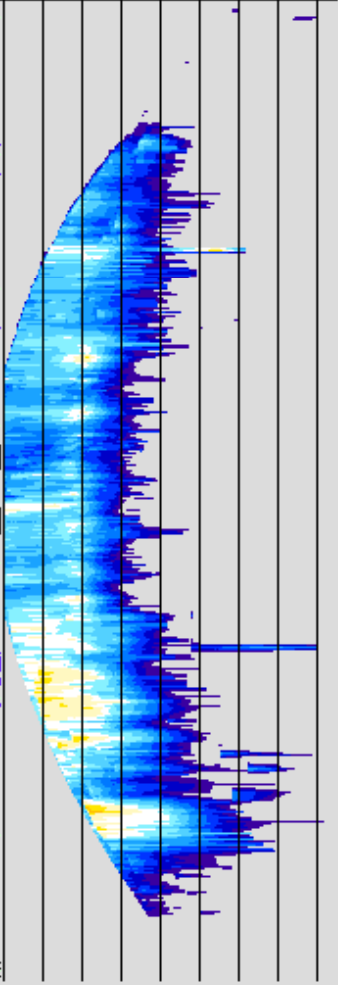
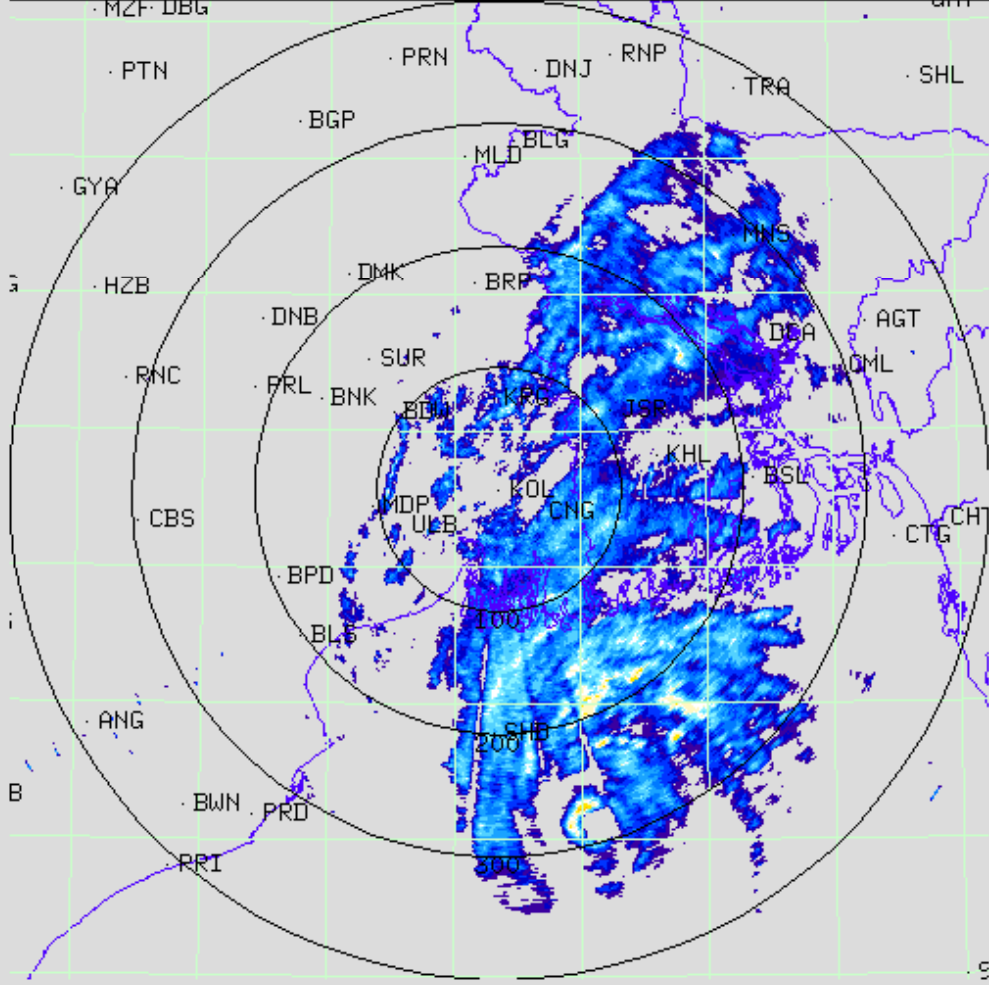
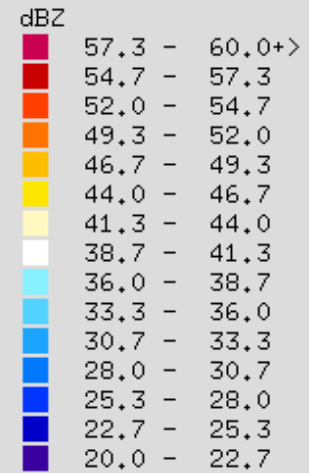
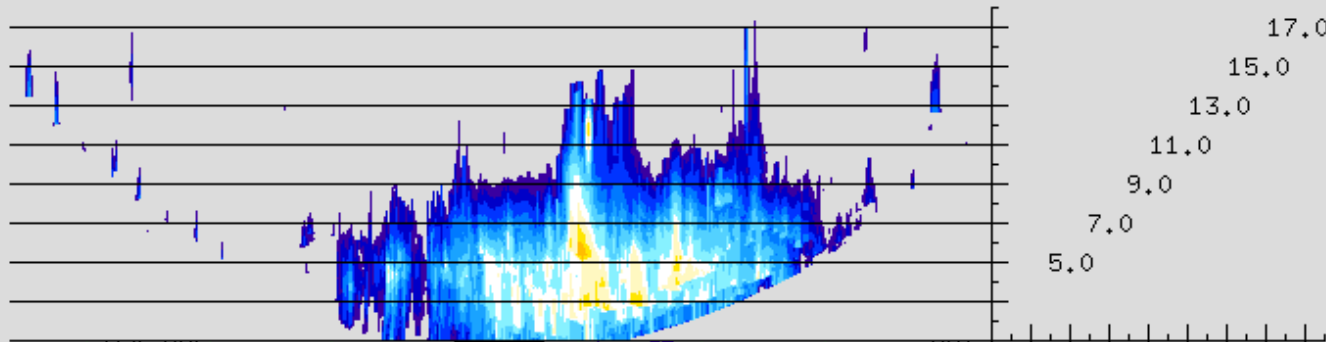
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111508400705.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 08:40:07



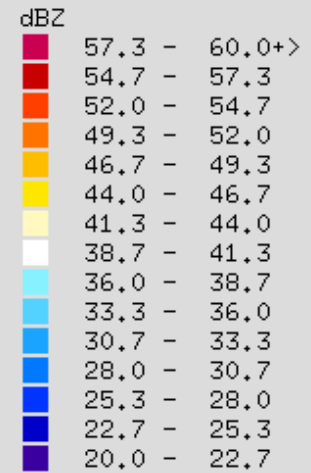
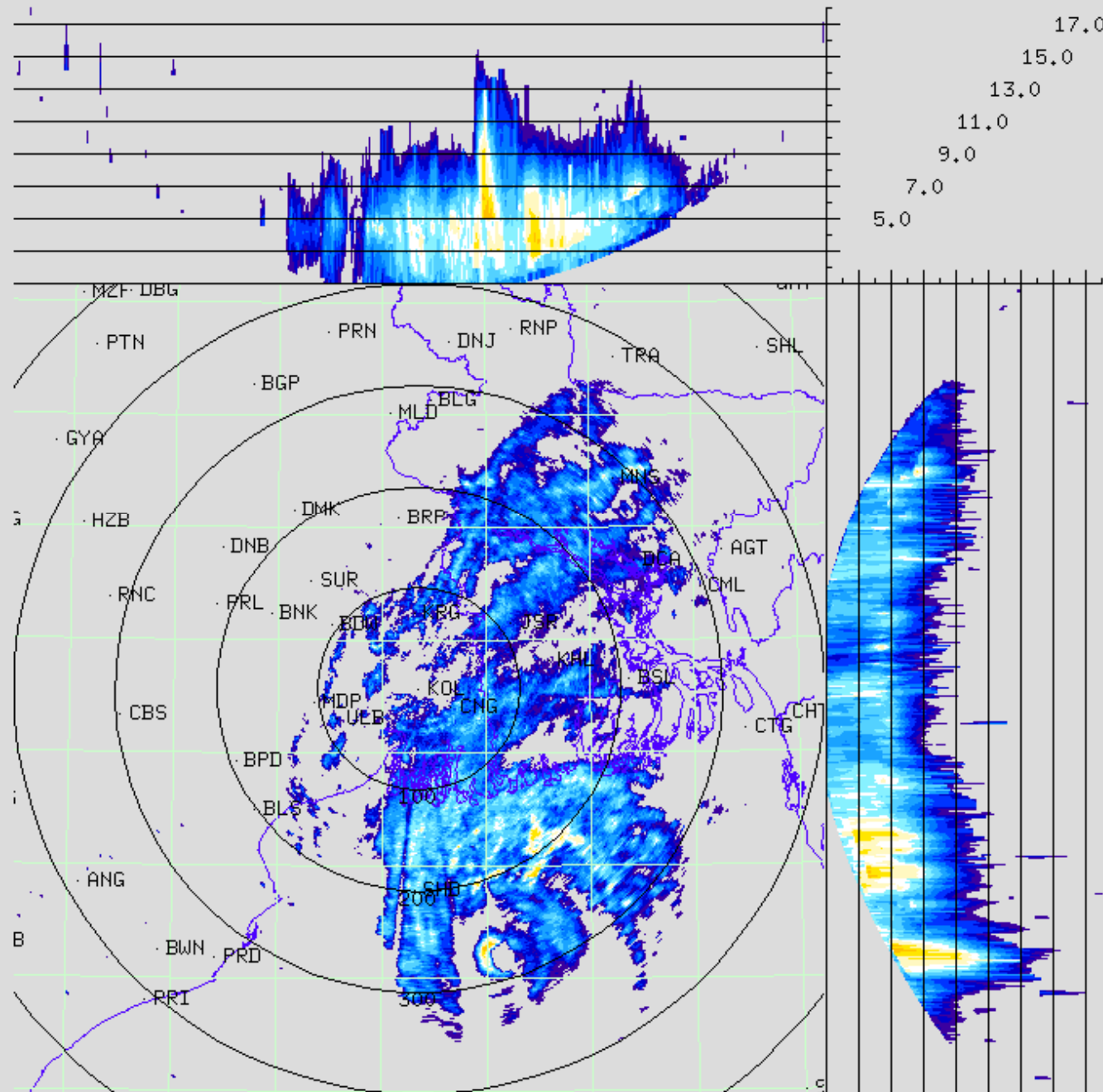
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111509000622.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 09:00:06



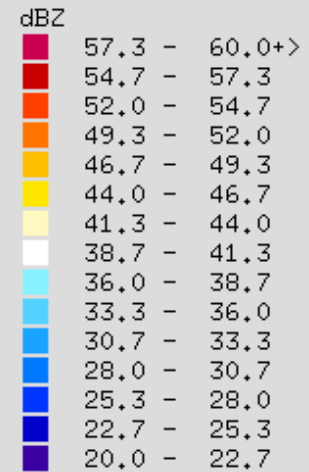
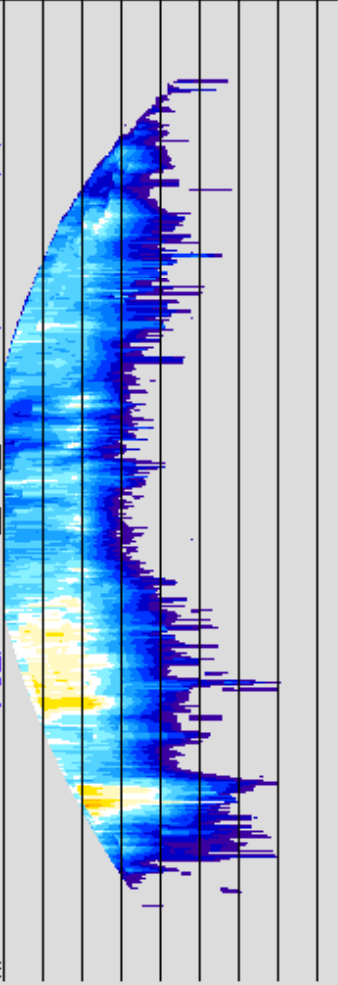
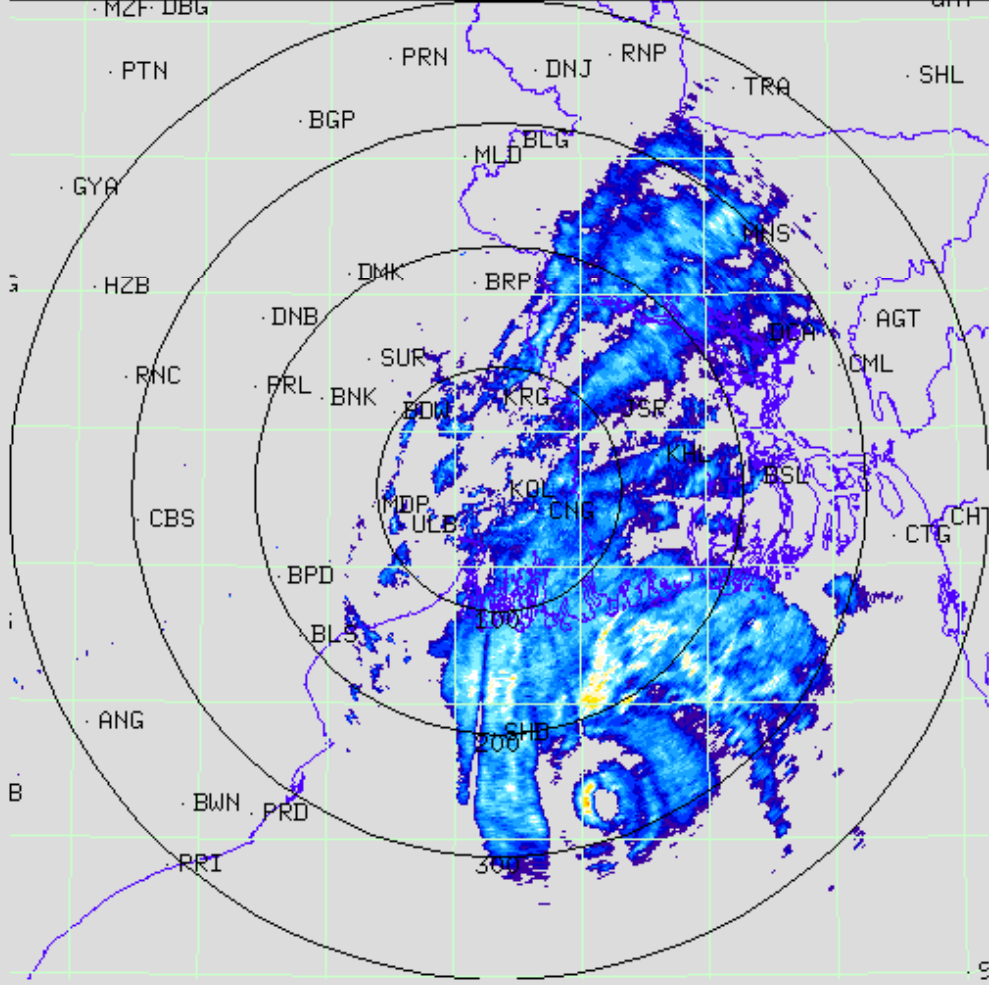
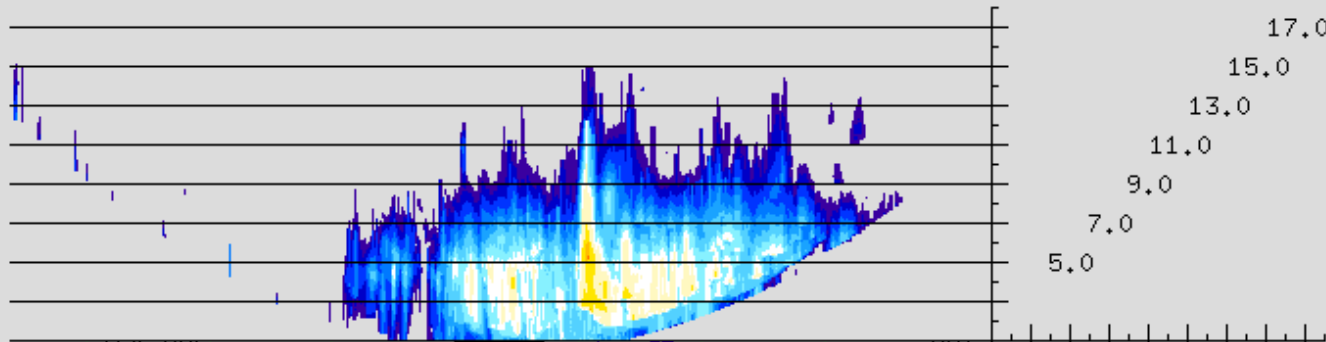
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111509200742.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 09:20:07



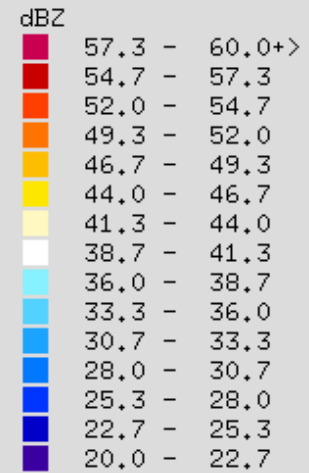
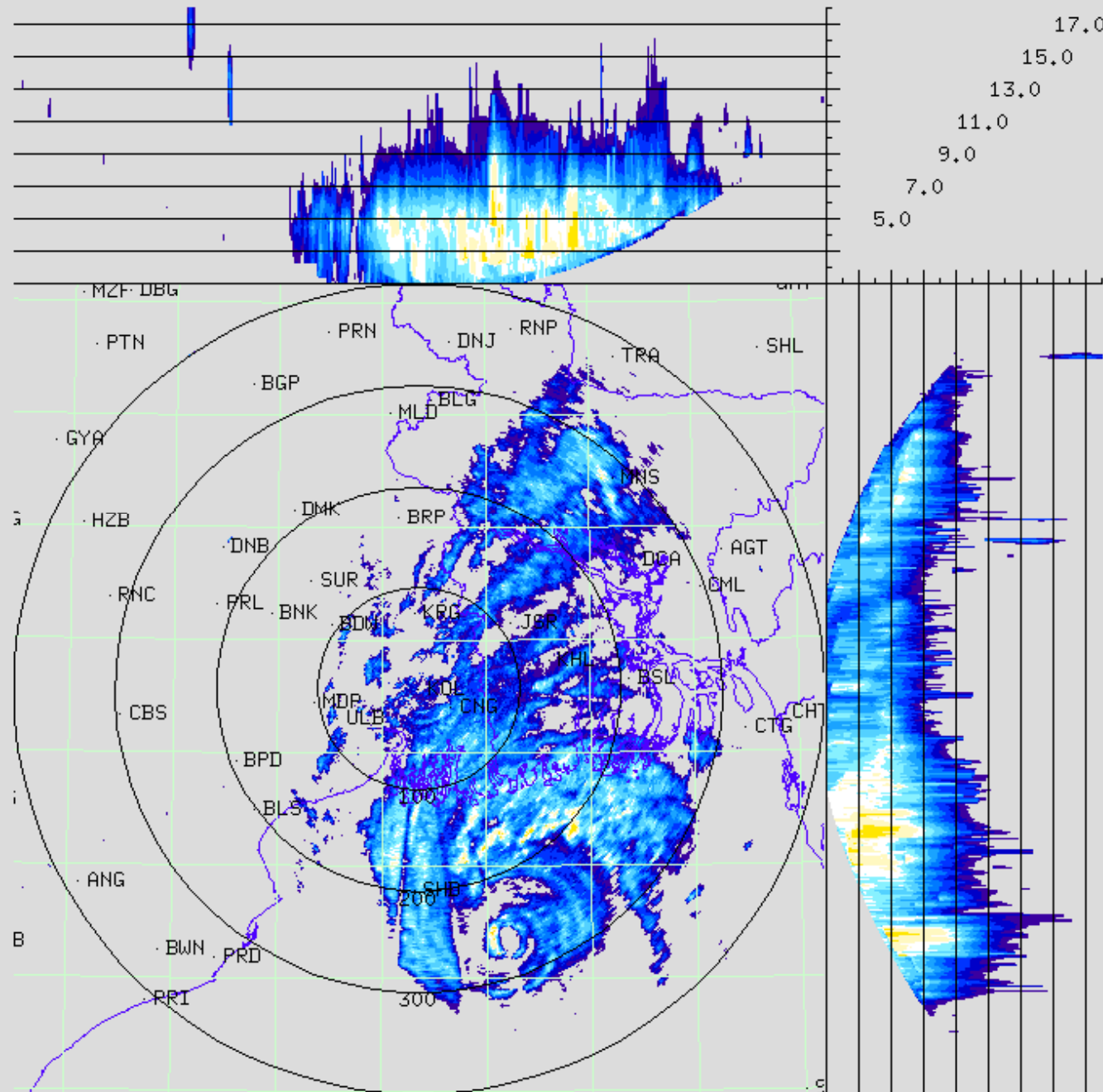
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111509400759.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 09:40:07



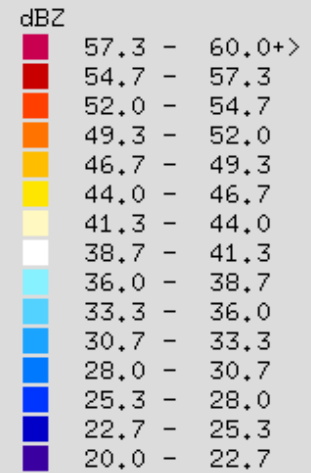
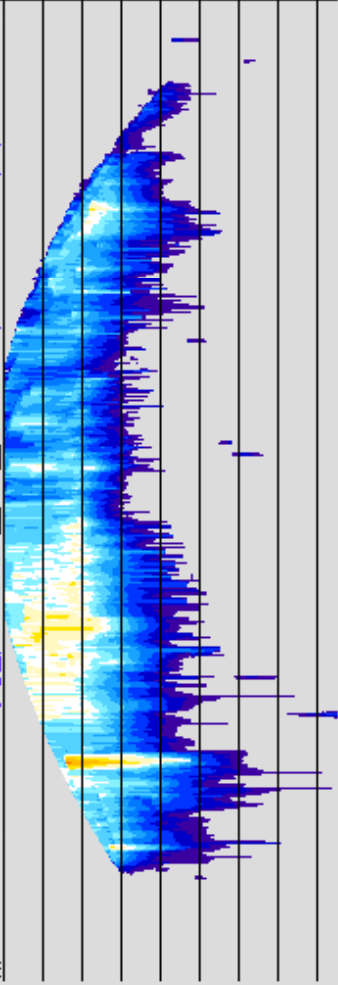
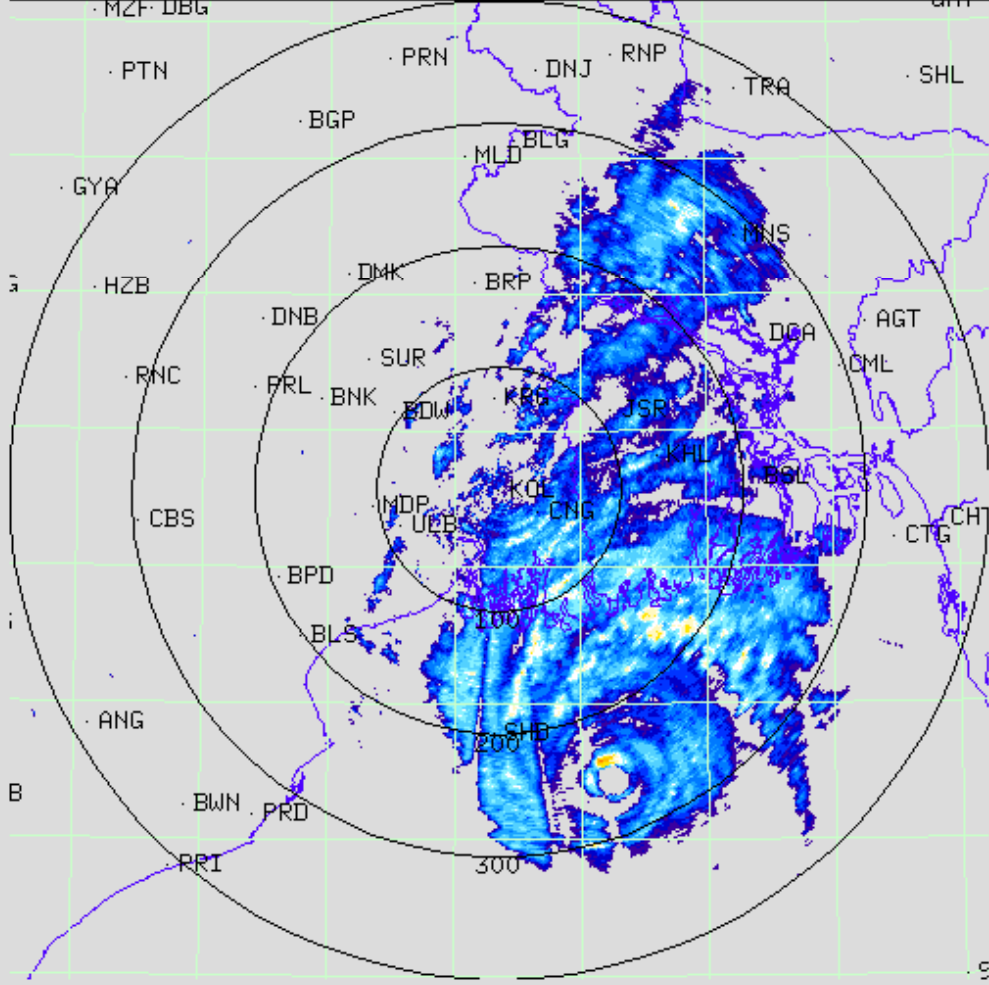
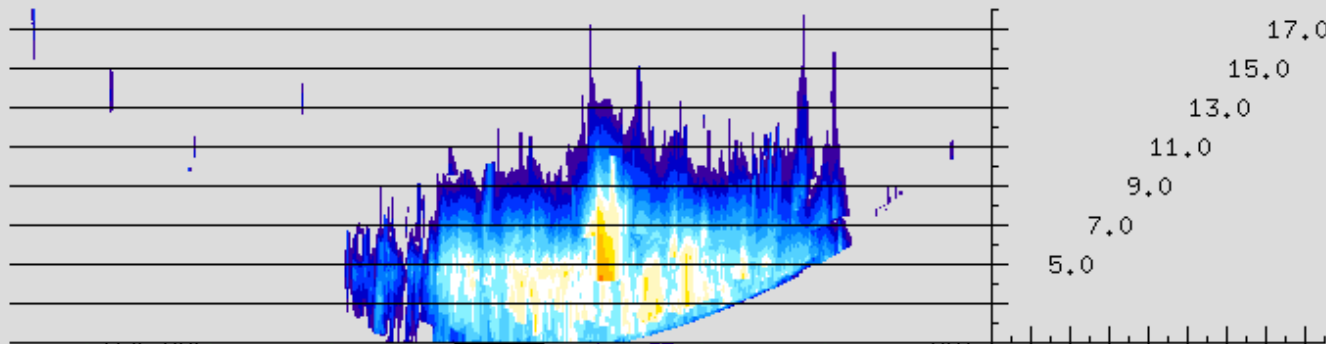
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111510000776.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 10:00:07



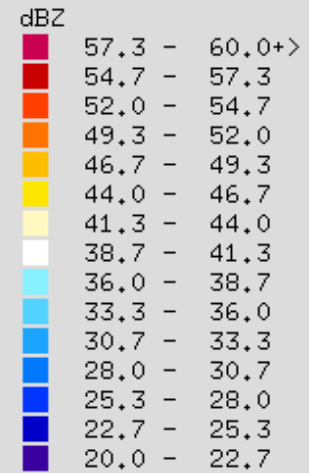
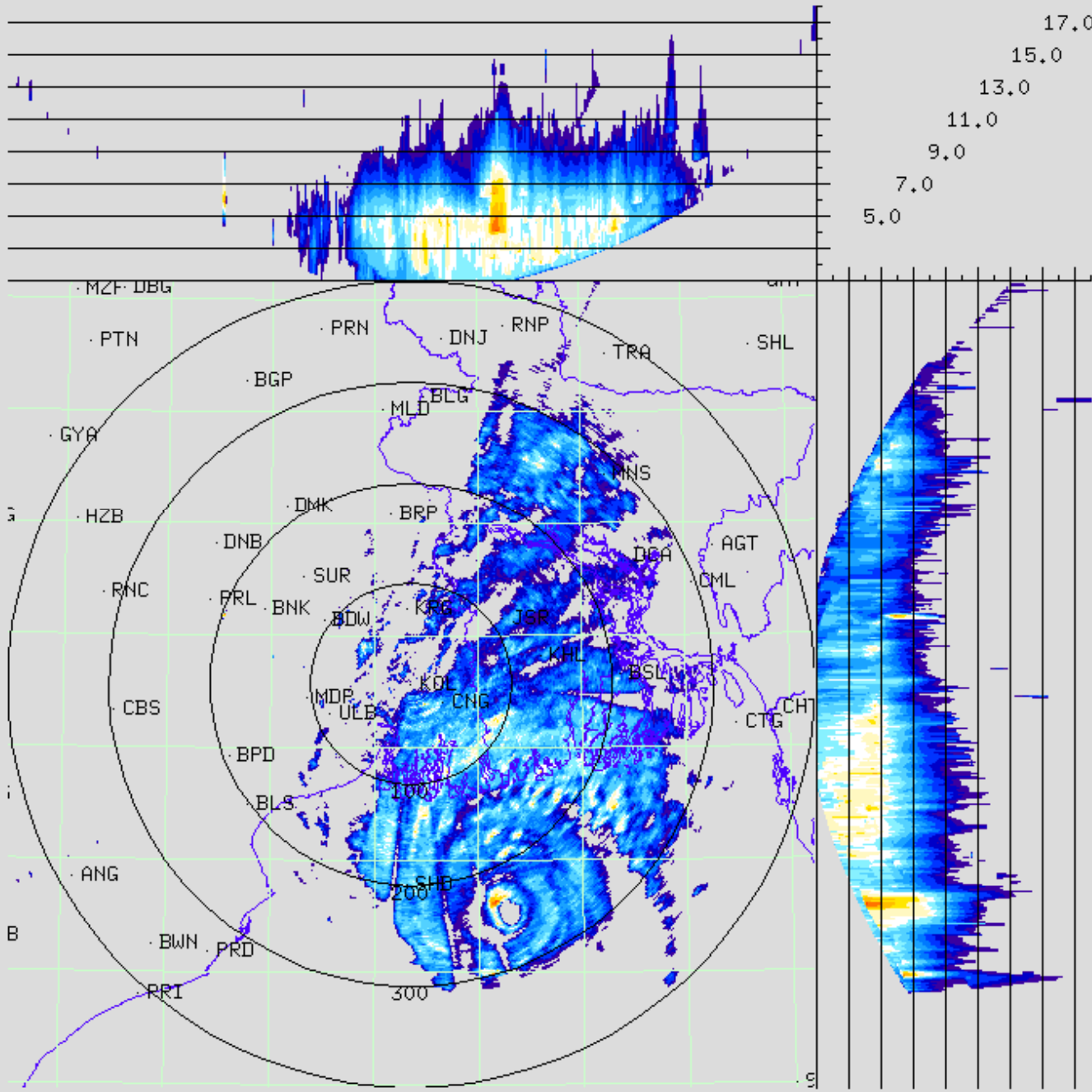
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111510200793.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 10:20:07



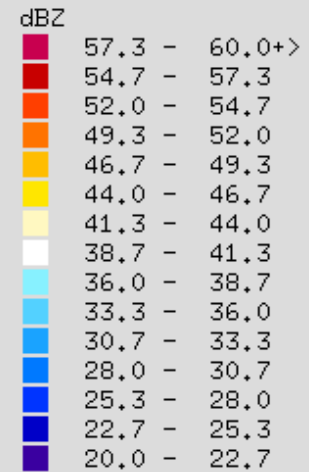
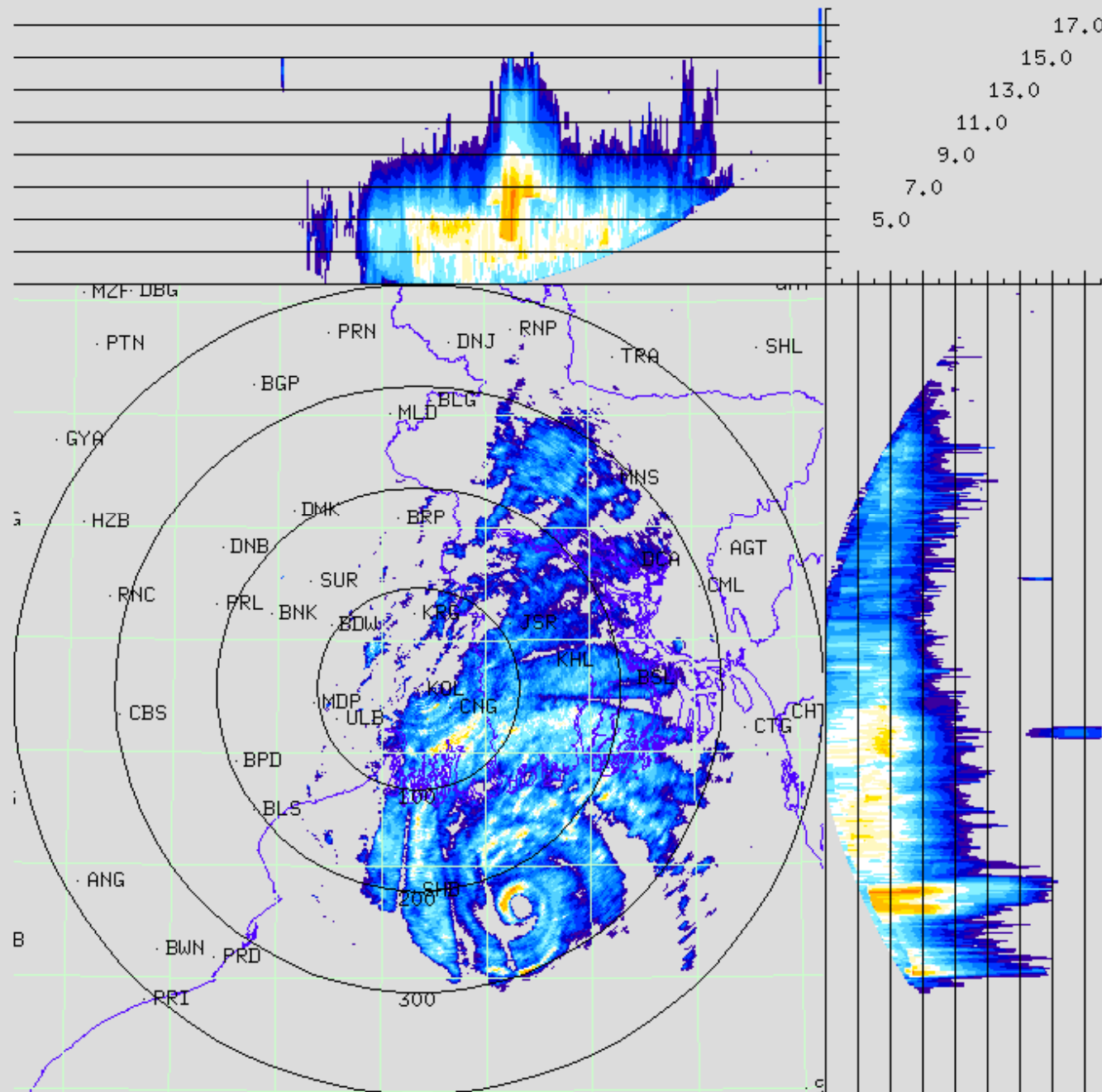
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111510400610.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 10:40:06



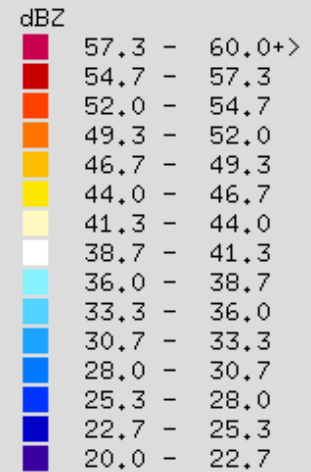
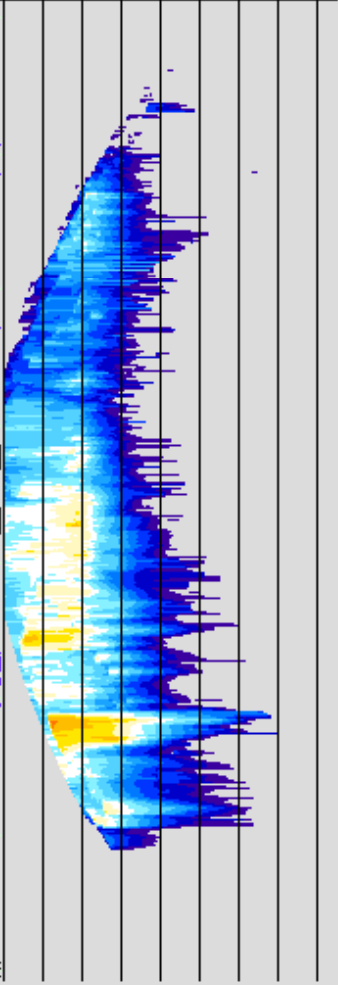
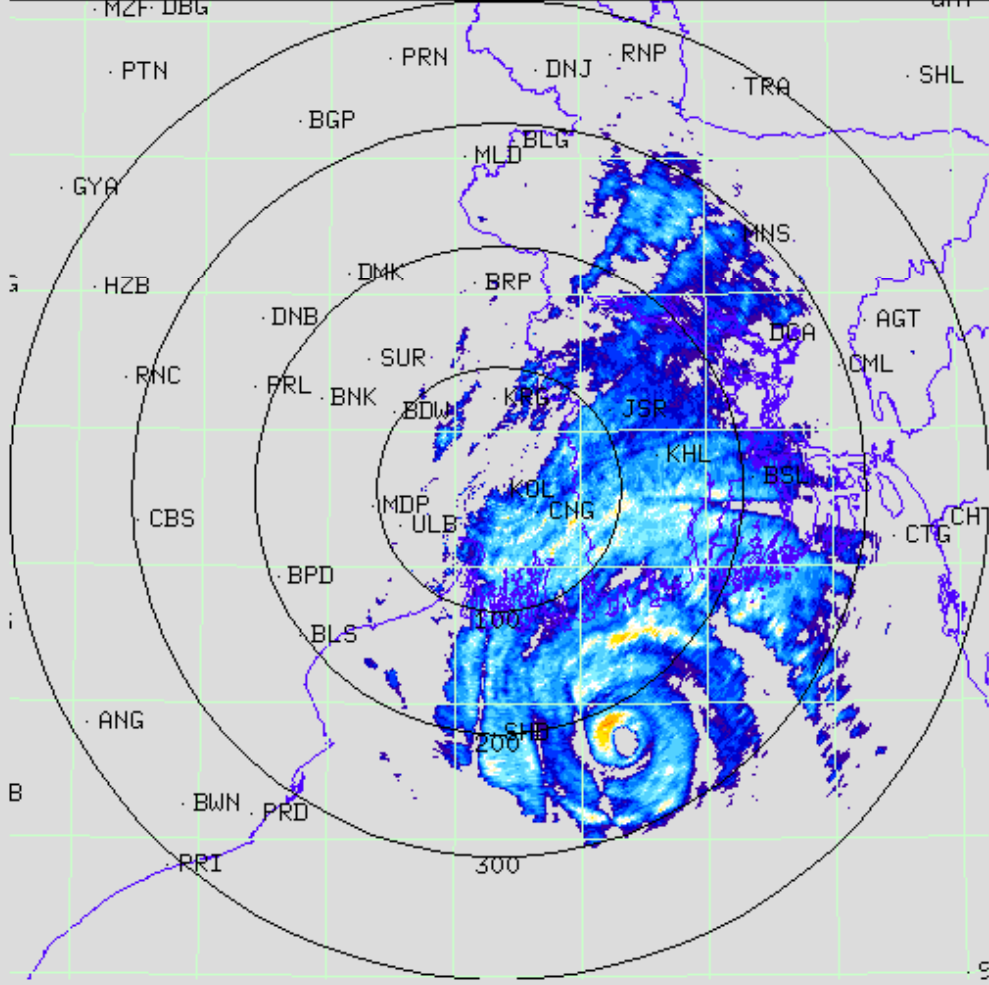
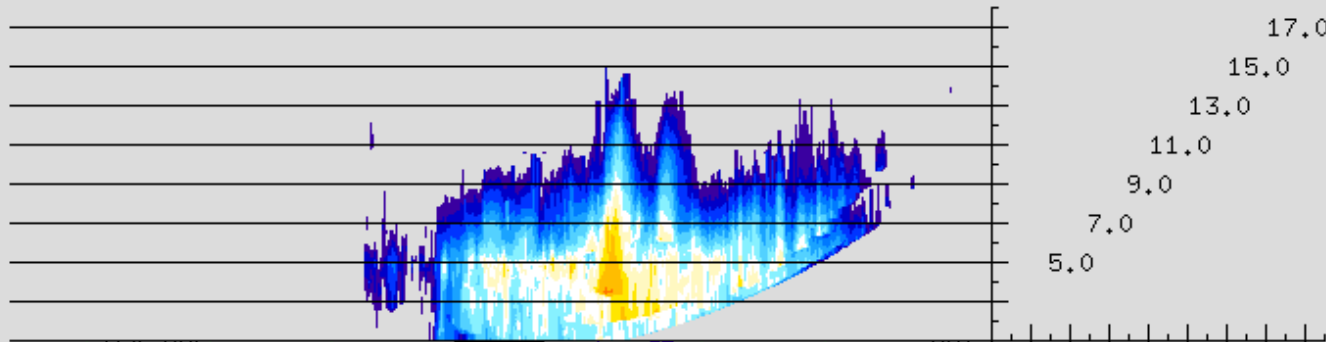
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111511000727.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 11:00:07



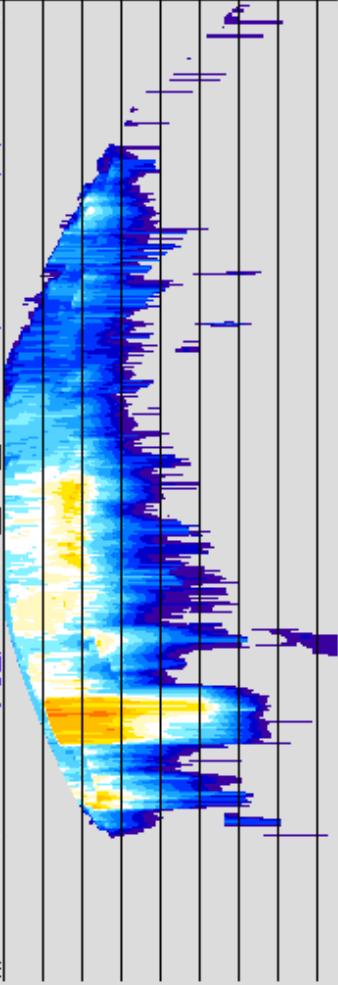
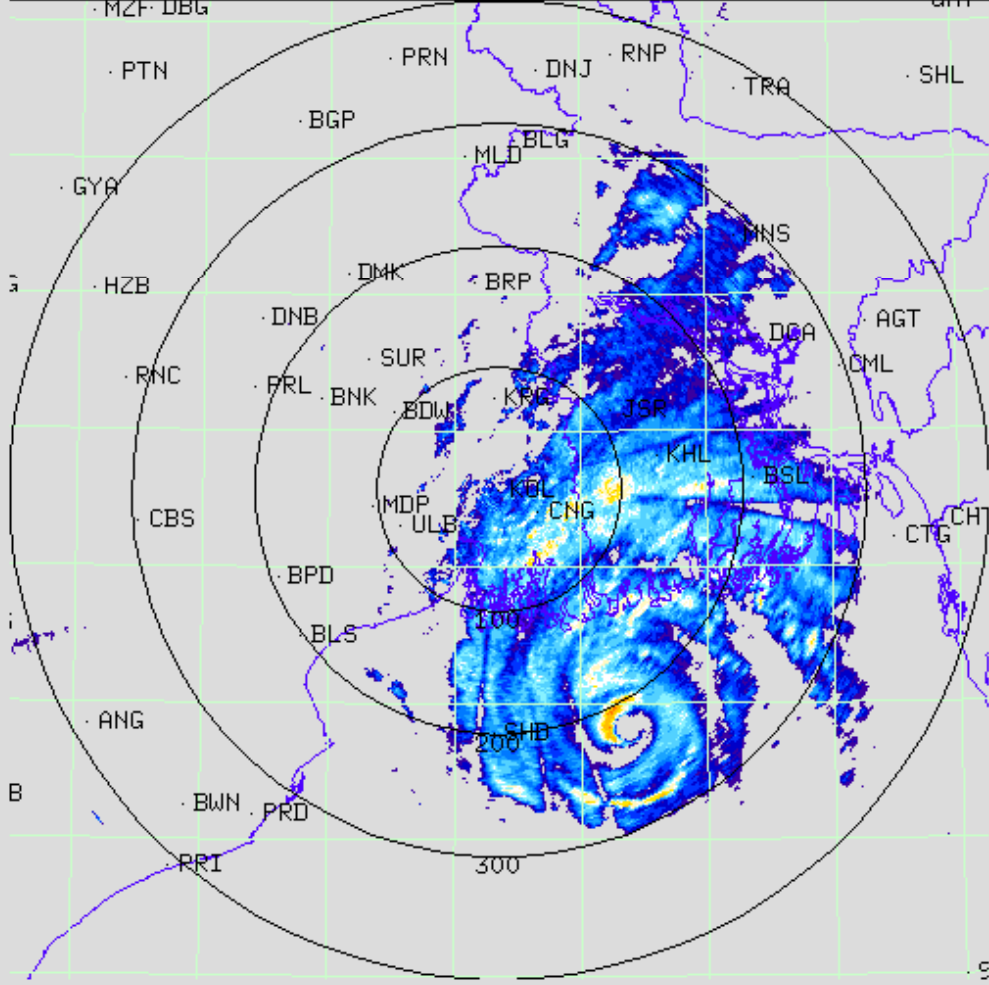
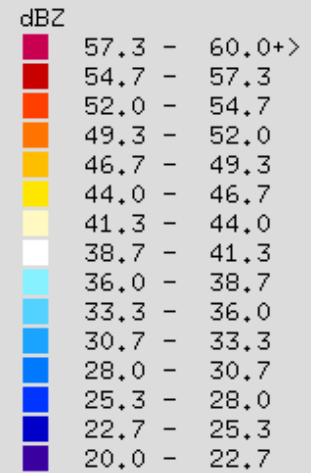
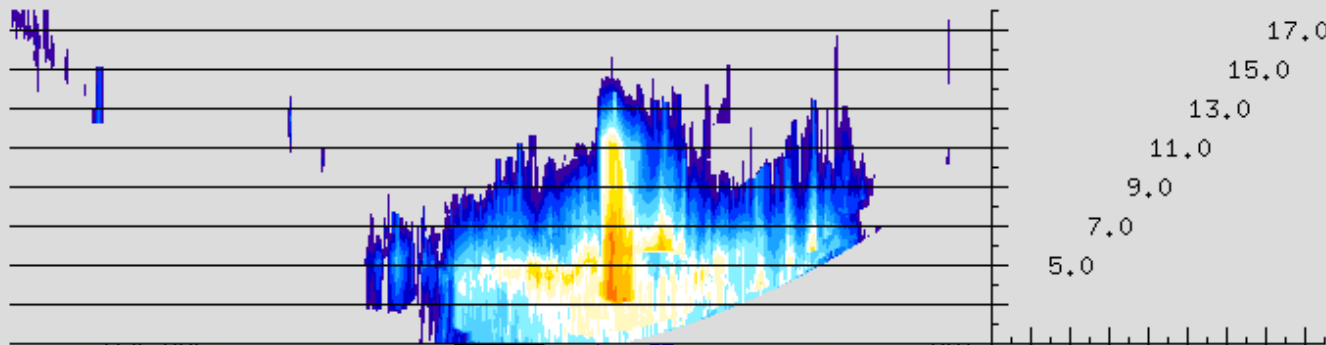
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111511200644.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 11:20:06



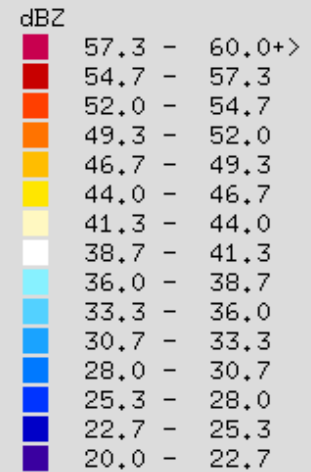
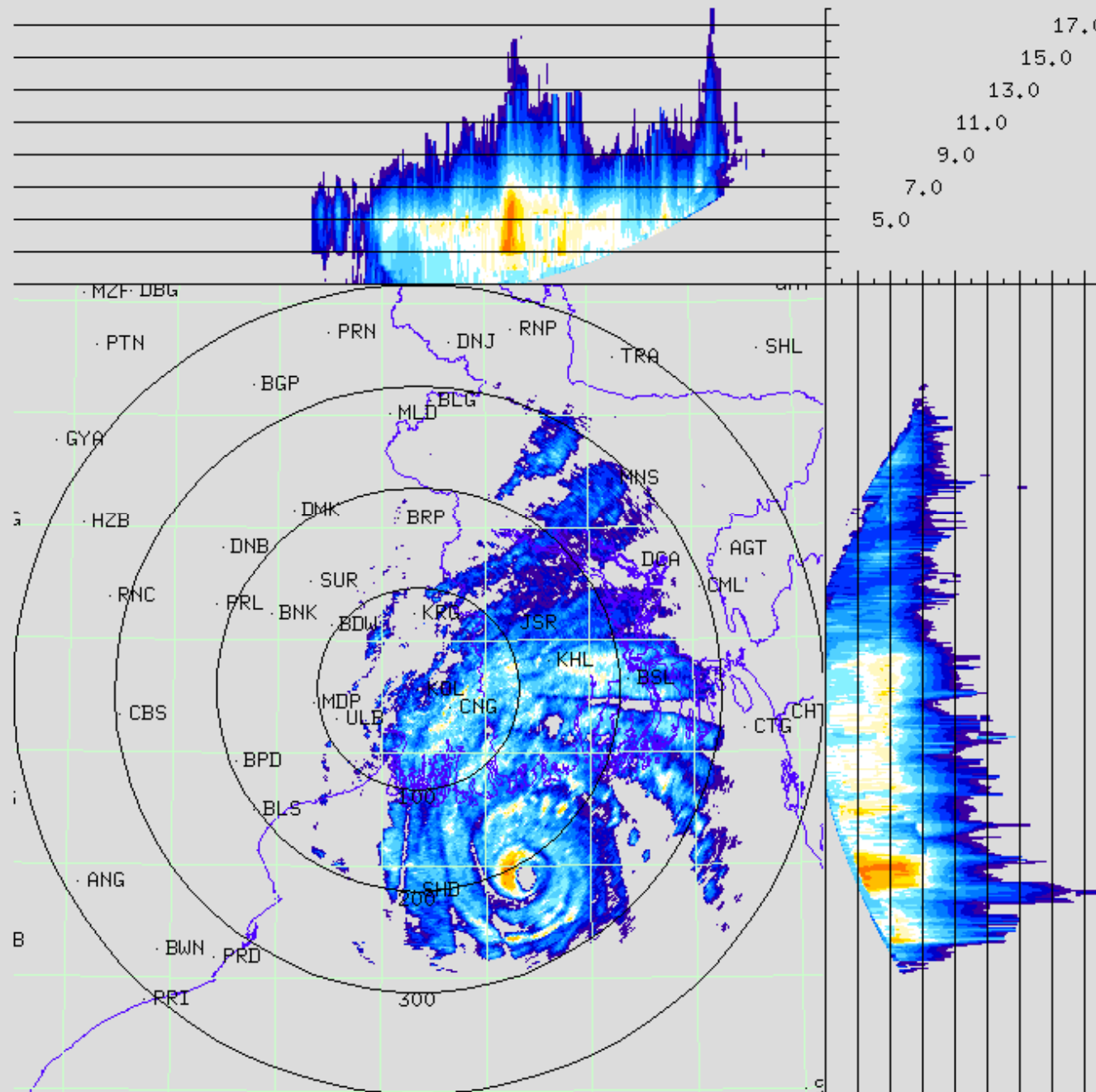
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111511400761.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 11:40:07



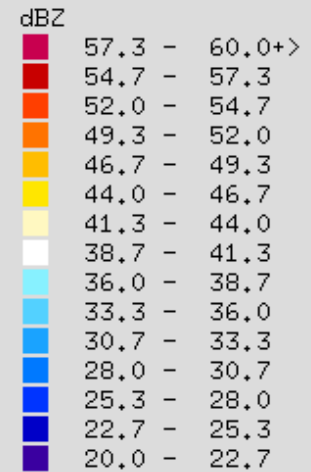
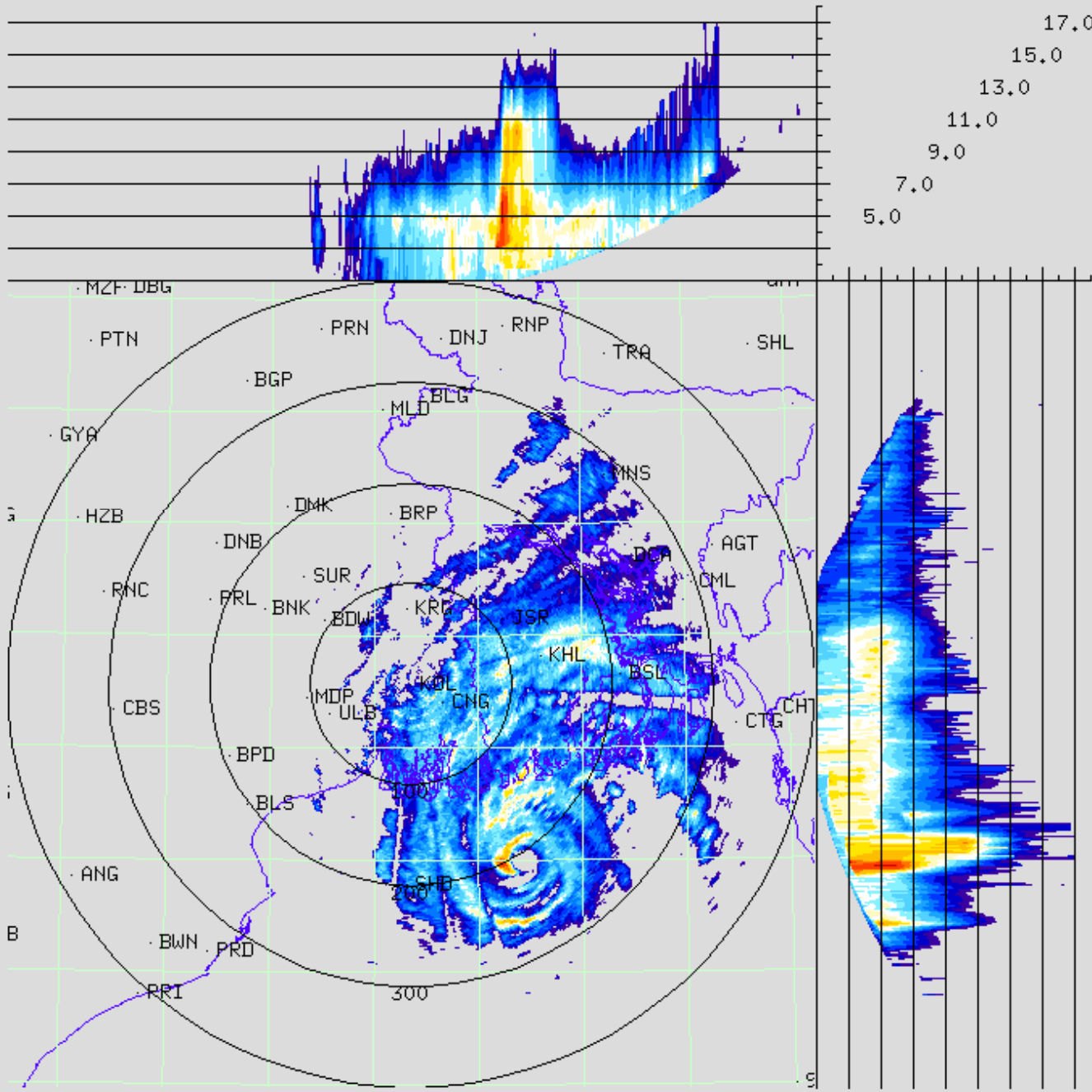
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111512000780.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 12:00:07



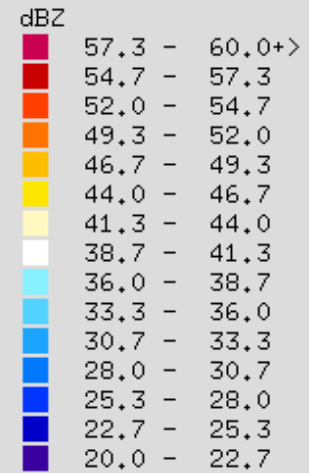
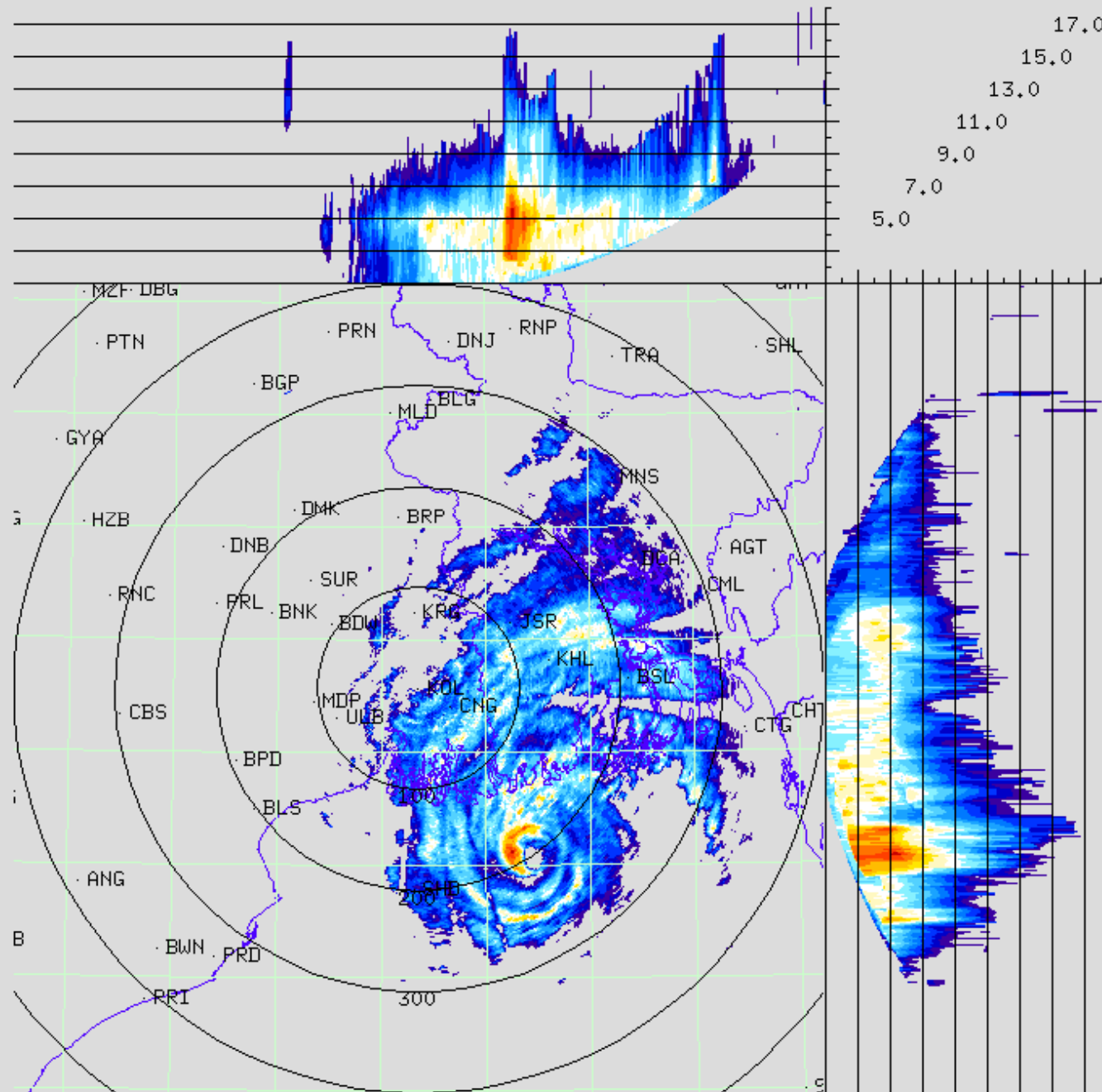
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111512183297.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 12:18:32



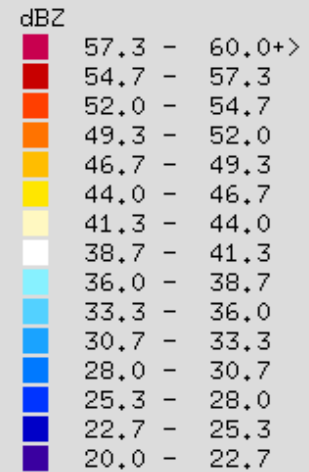
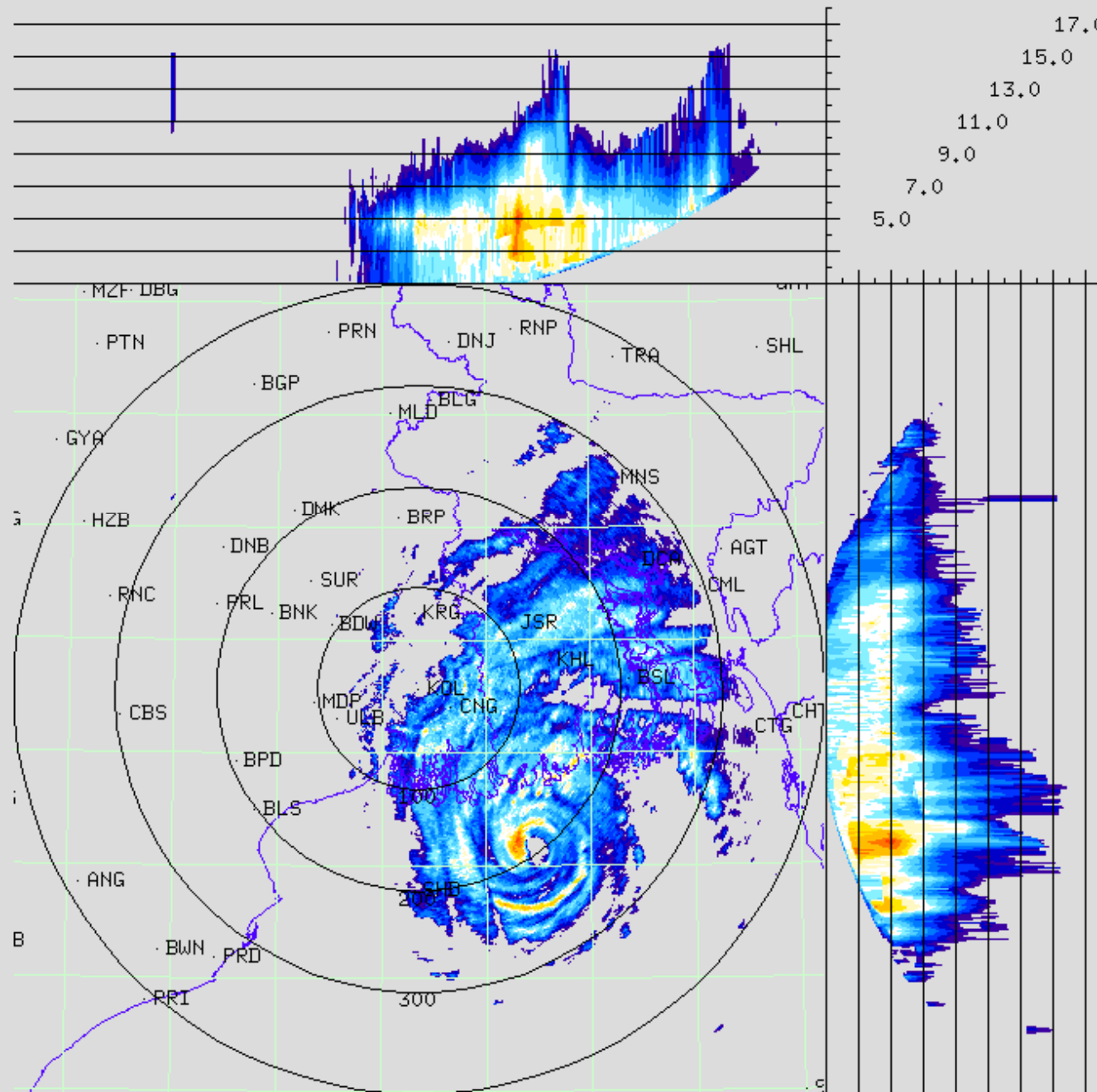
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111512383217.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 12:38:32



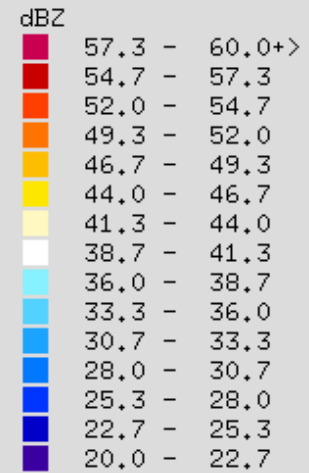
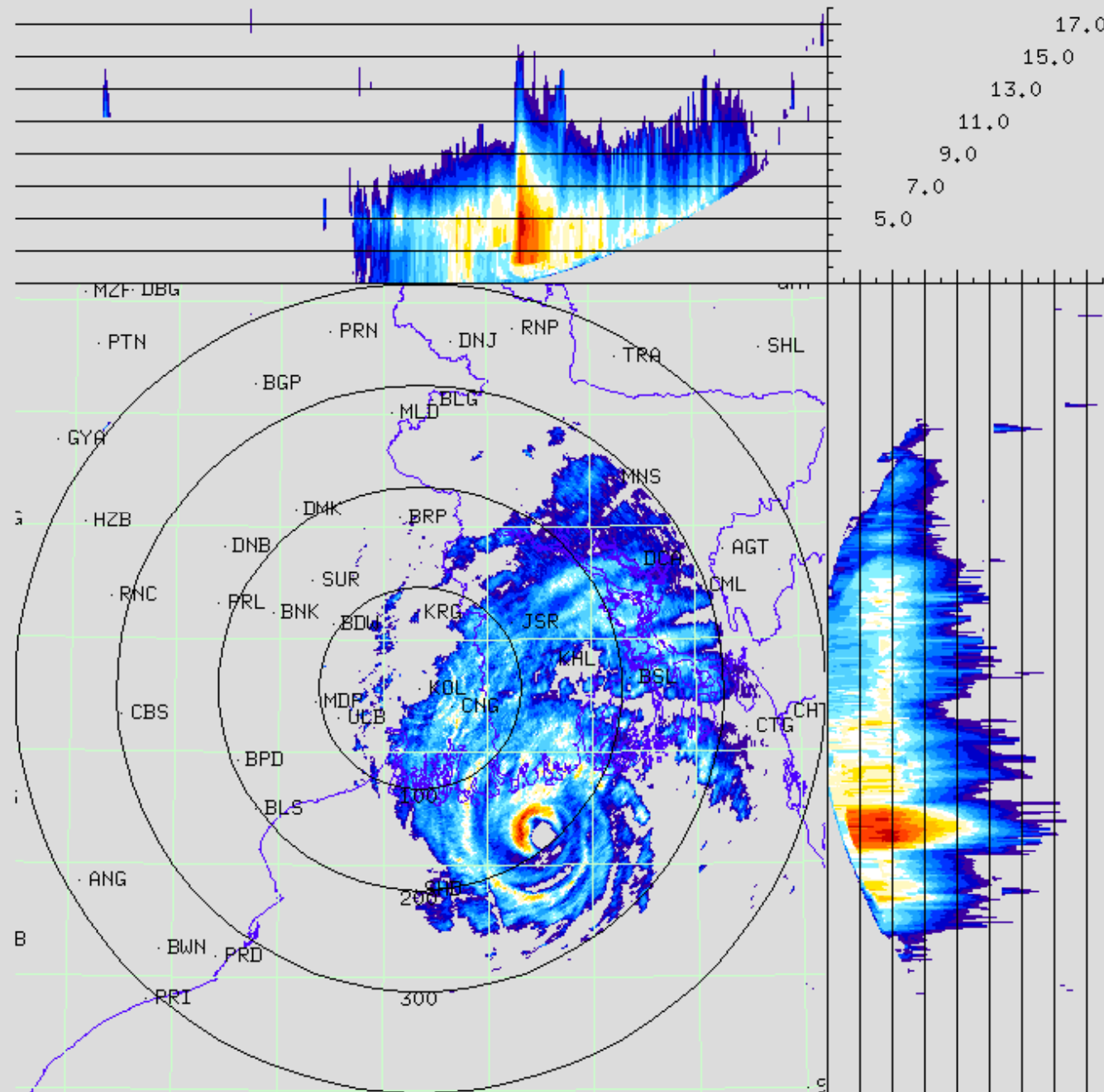
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111512583237.caz
Type : MAX(Z)
Range: 400.0 km

15.11.2007
12:58:32



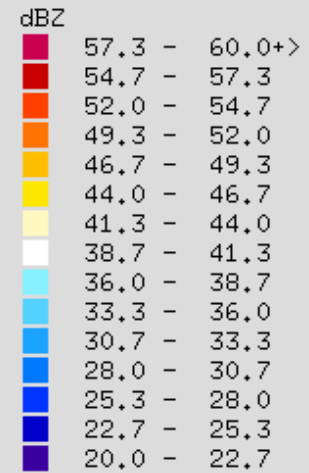
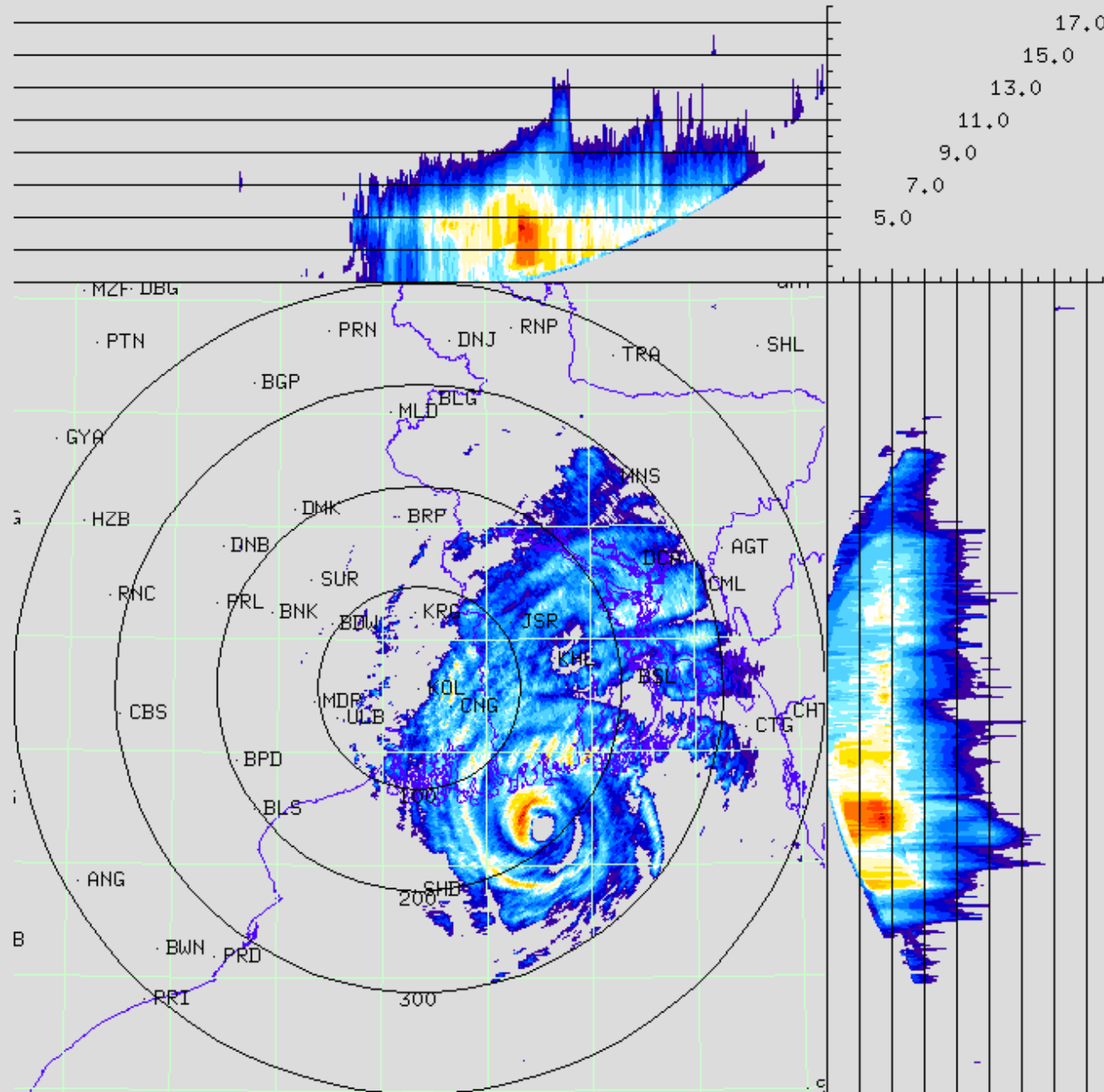
KOLKATA_India
Scan R : 500 km
Scan Res: 1.00 km
Disp R : 400 km
Disp Res: 1.600 km
PW : Long
PRF: 300 / 0
AS : 7.50 deg/s
TS : 40
RS : 1
CC : Doppler 10
SQI: 0.25
CSR: 10.0 dB
LOG: 2.0 dB
H : 18.00 km
LS : 0.100 km

Doppler Weather Radar
Kolkata



File : 2007111513183257.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 13:18:32



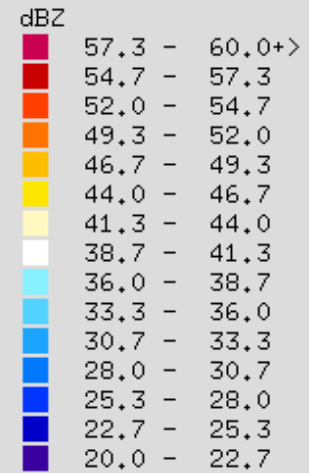
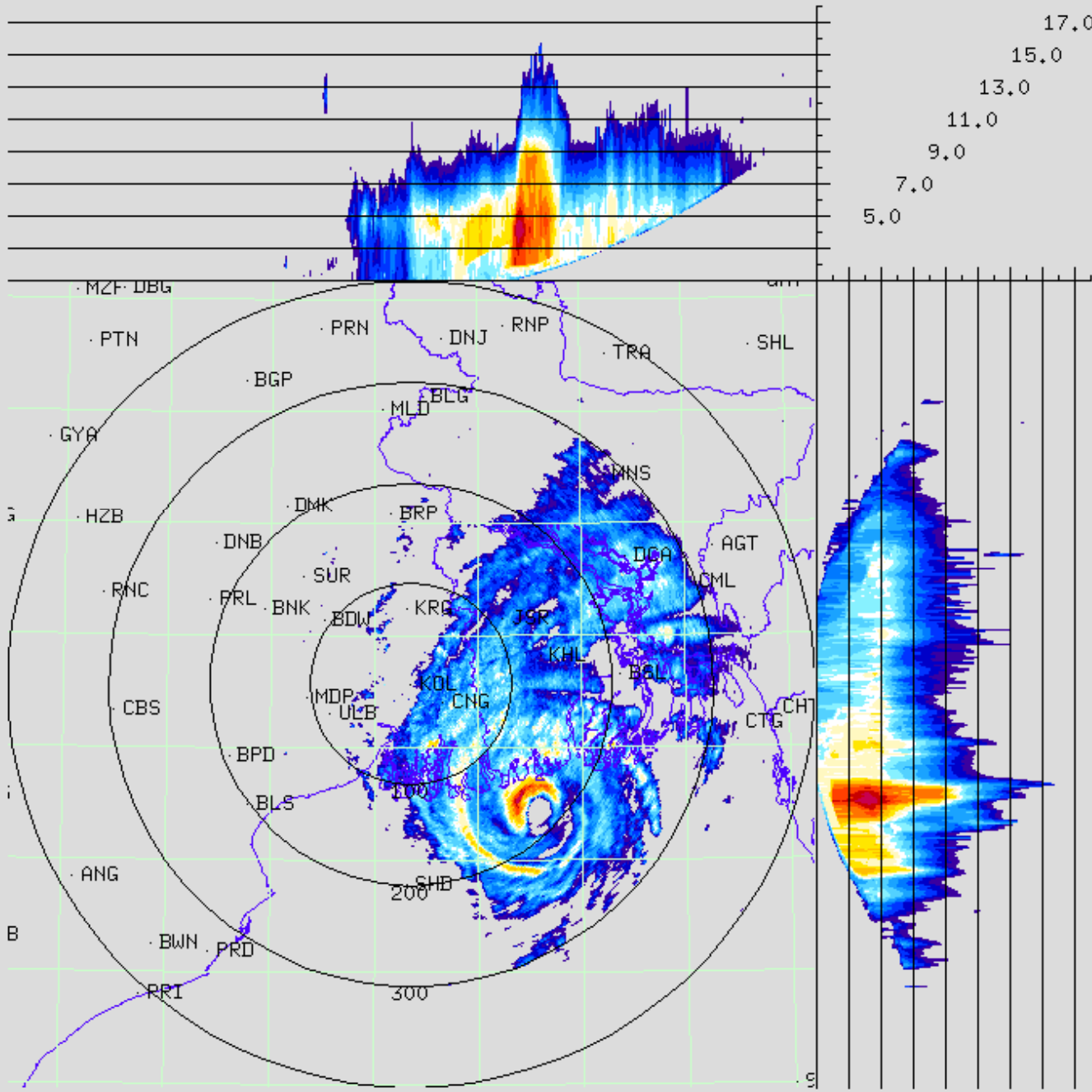
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111513383277.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 13:38:32



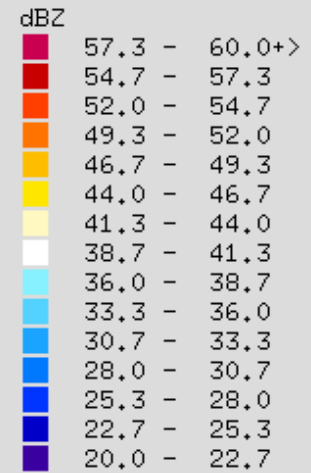
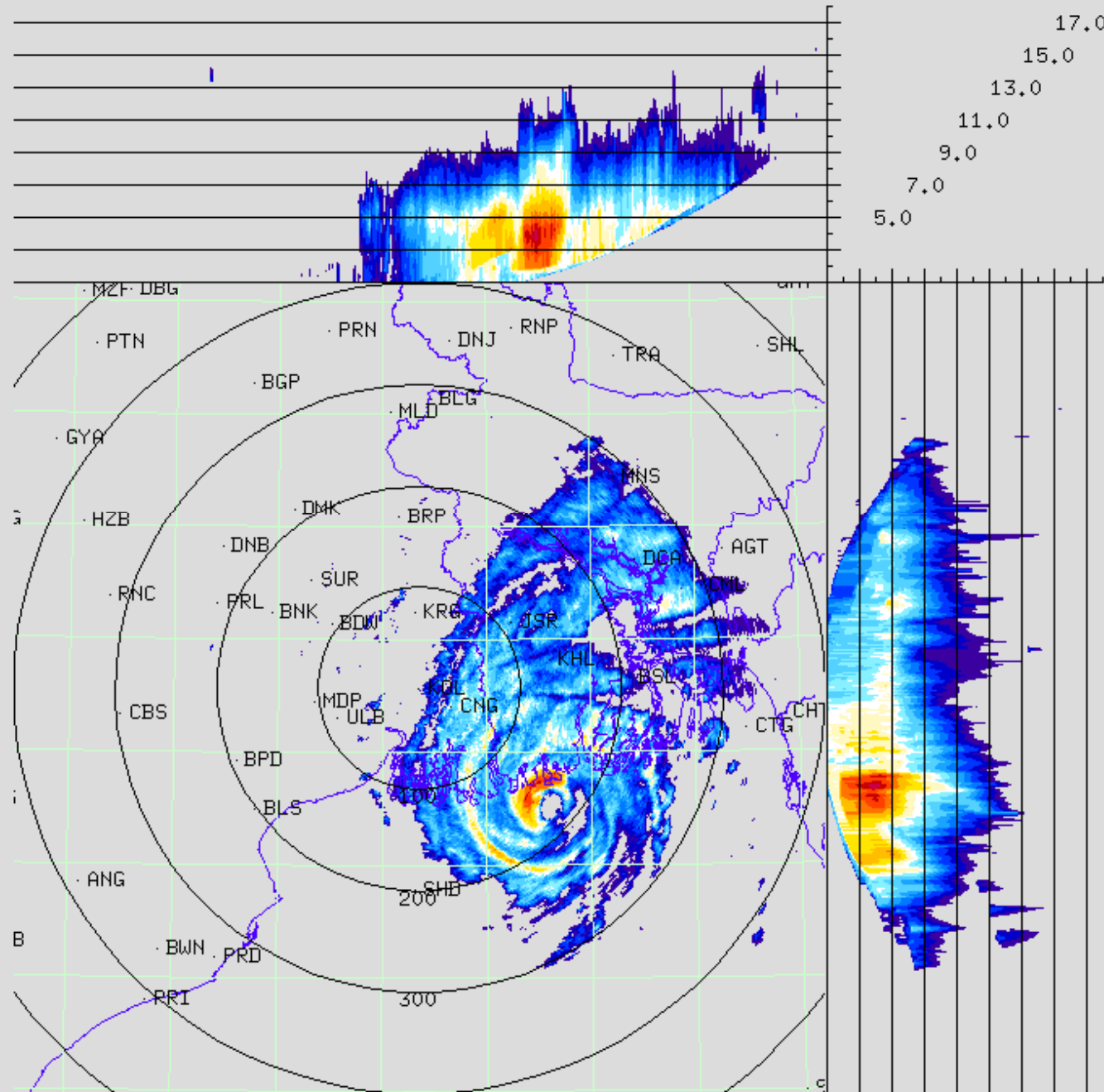
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111513583197.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 13:58:31



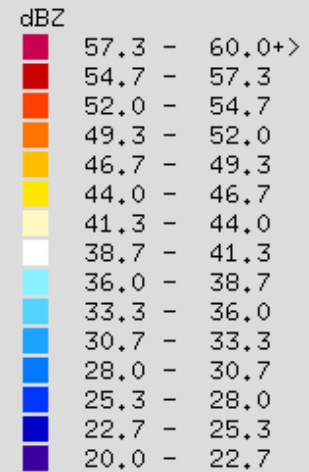
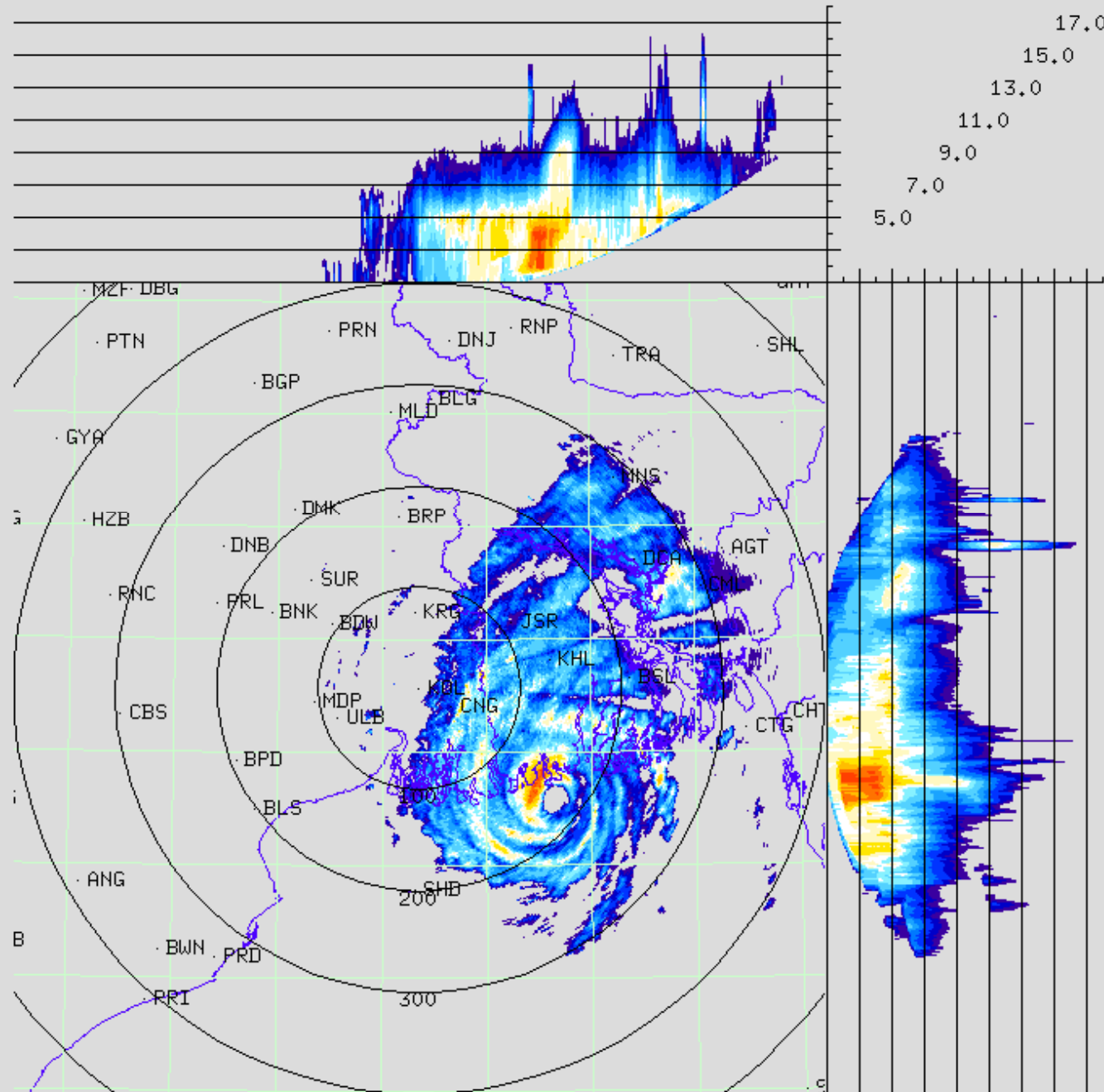
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111514183117.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 14:18:31



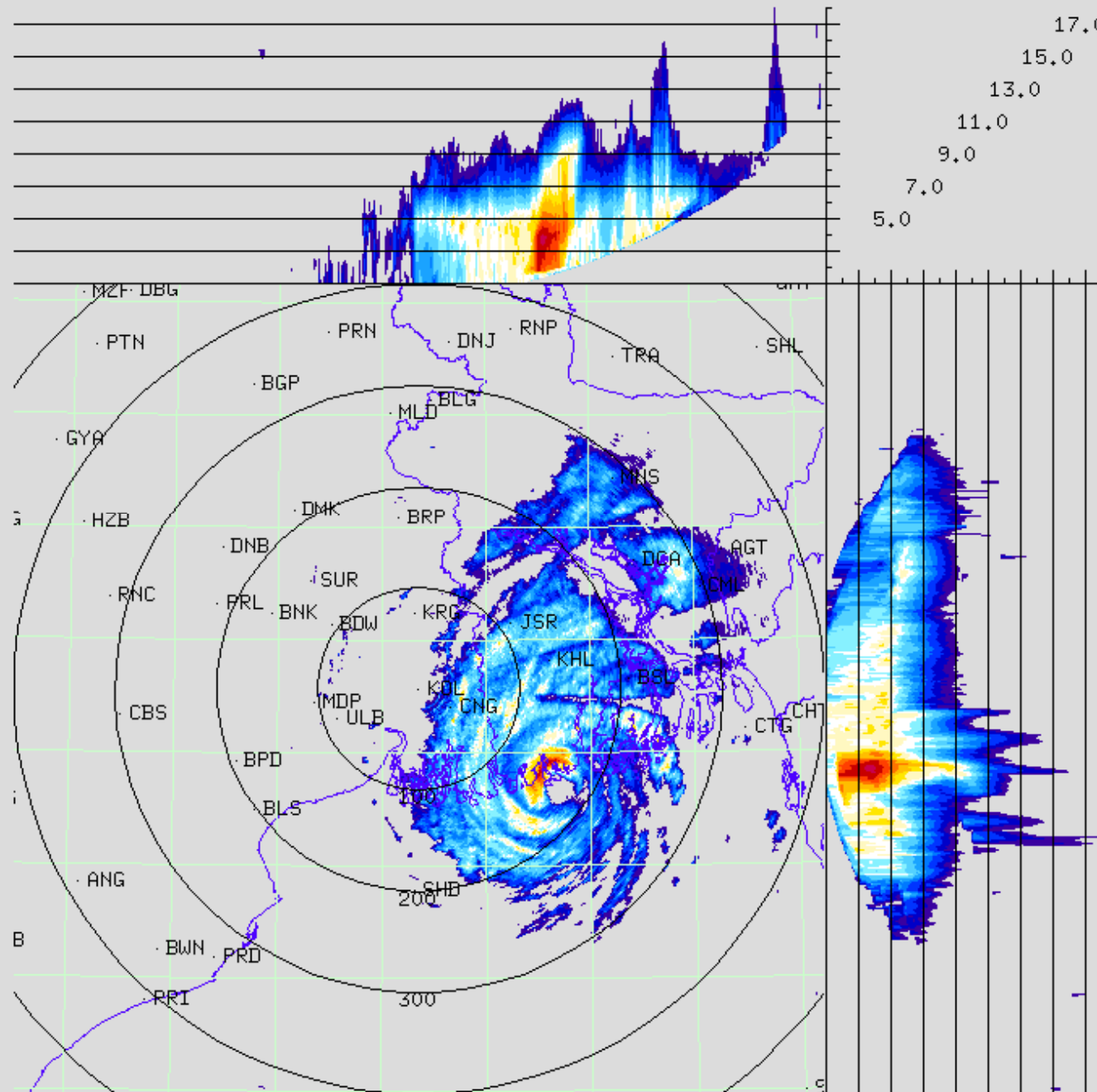
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata

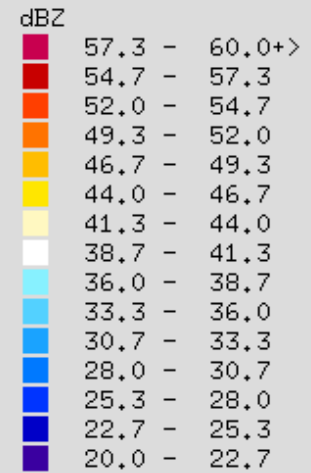


File : 2007111514383237.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 14:38:32



17.0
 15.0
 13.0
 11.0
 9.0
 7.0
 5.0



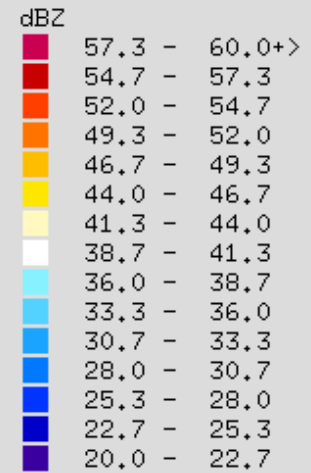
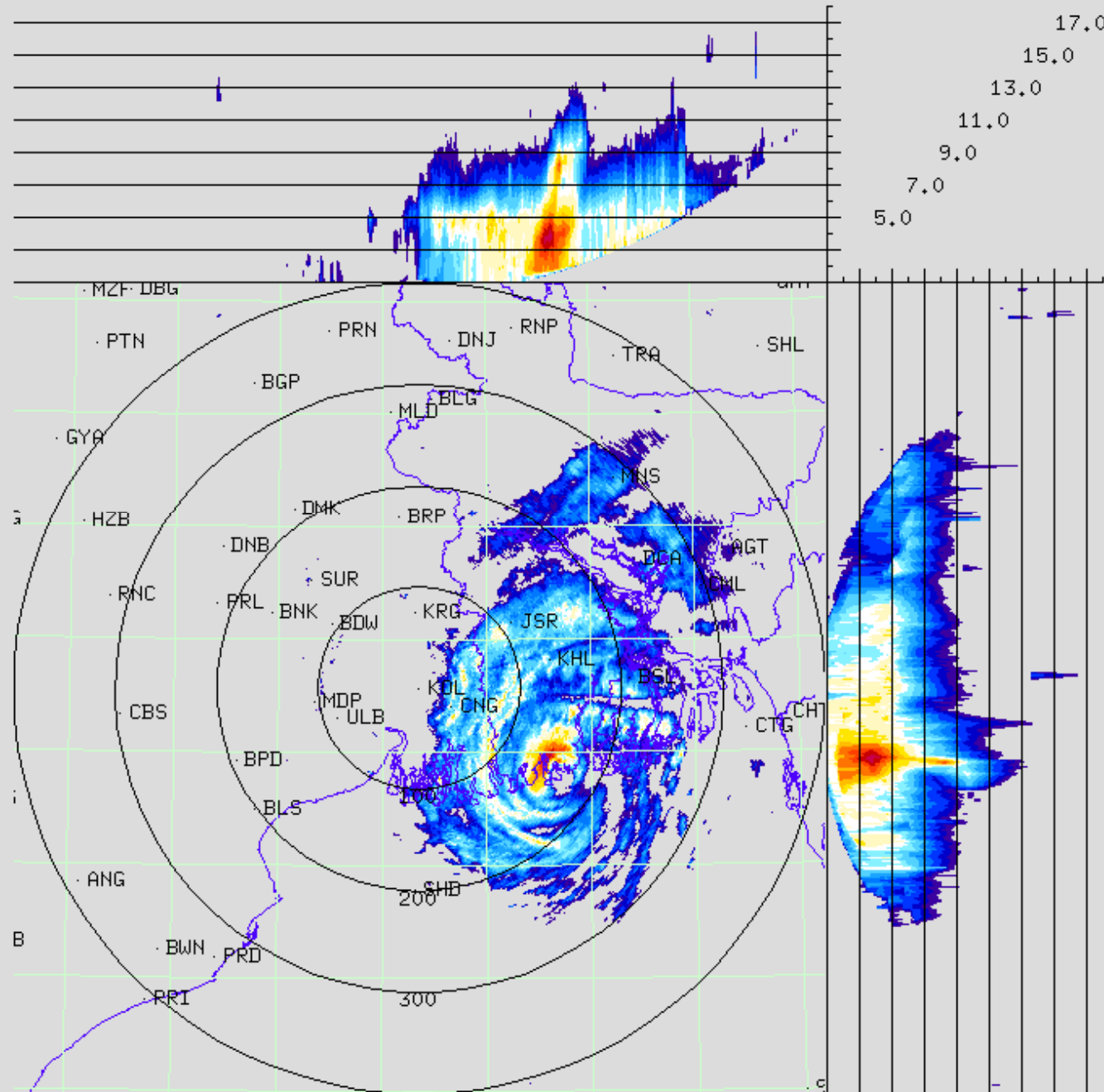
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111514583257.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 14:58:32



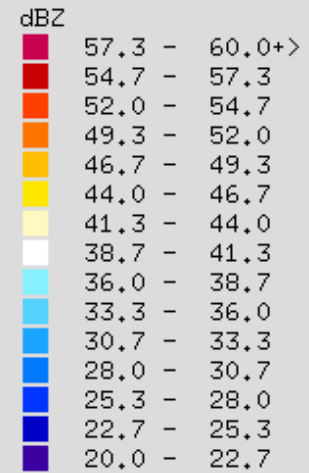
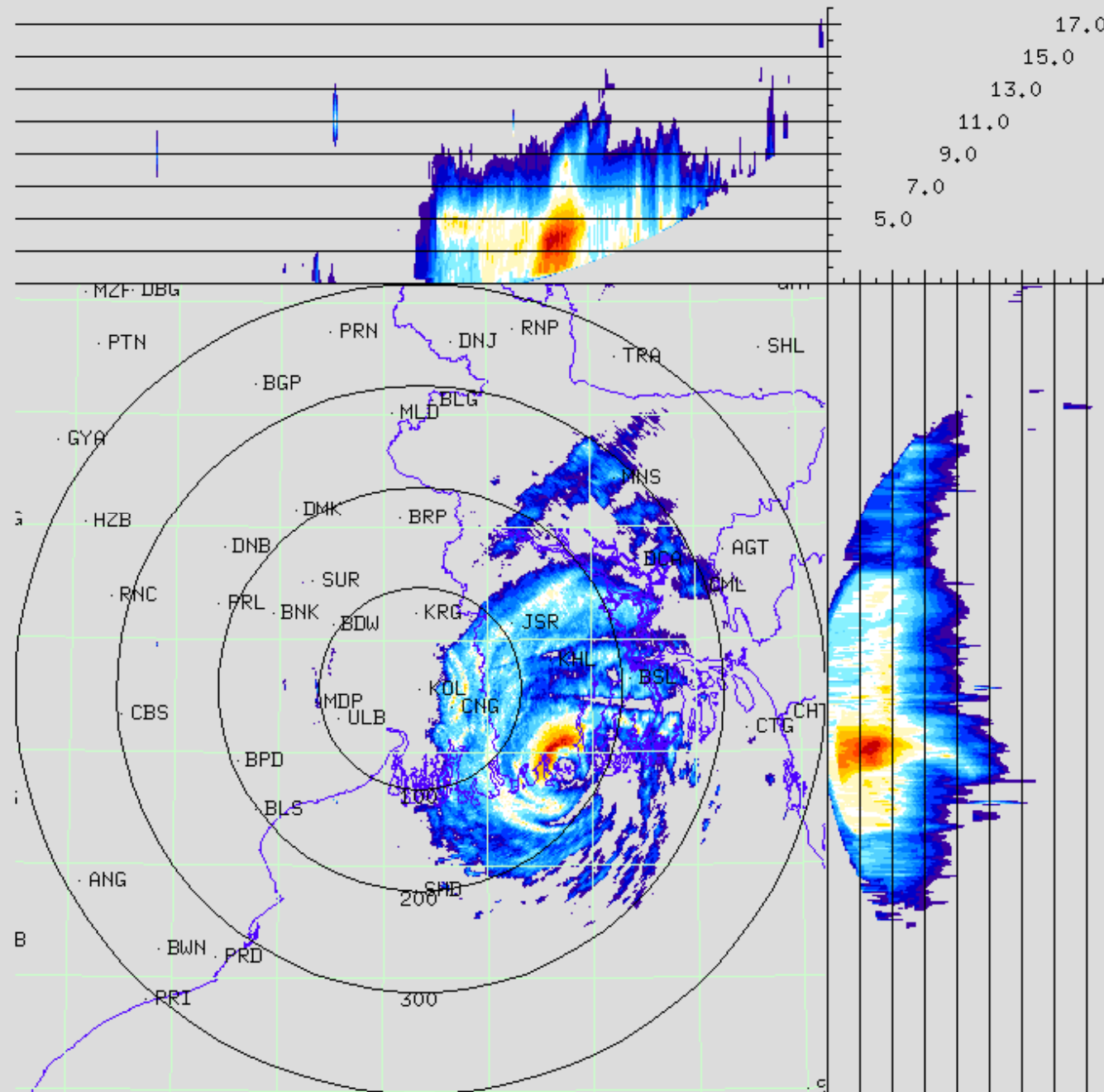
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111515183277.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 15:18:32



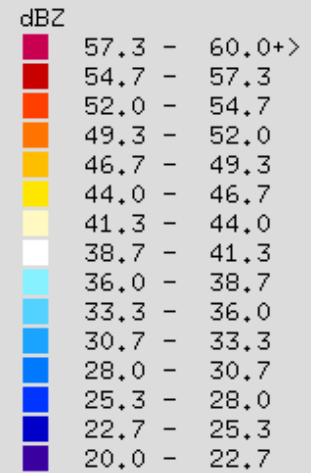
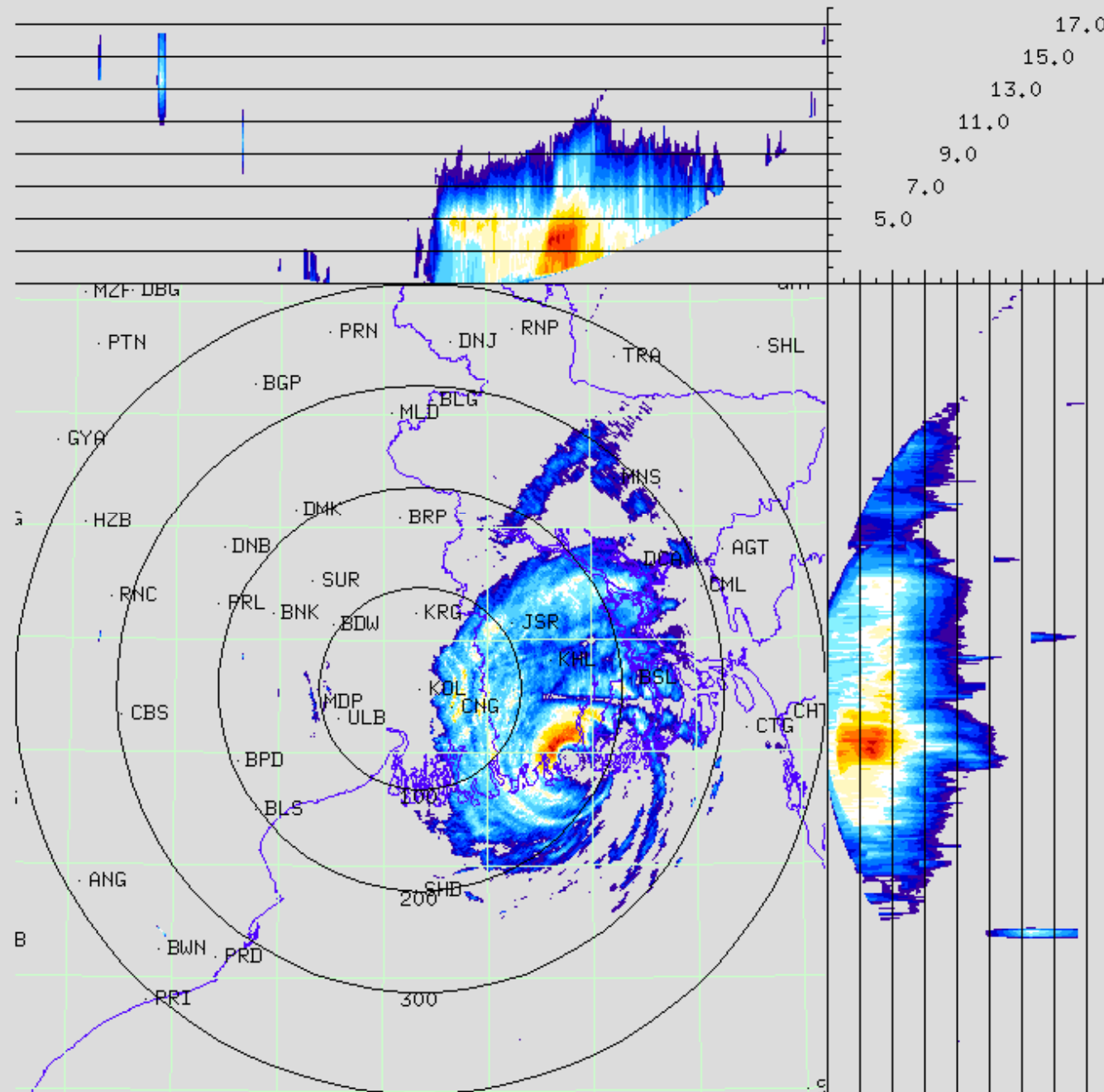
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111515383297.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 15:38:32



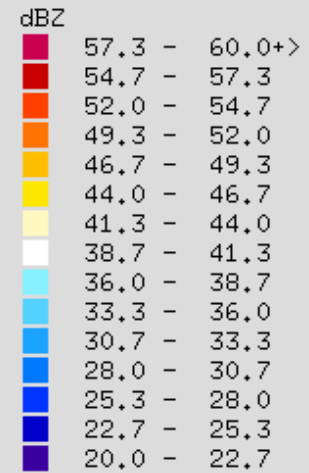
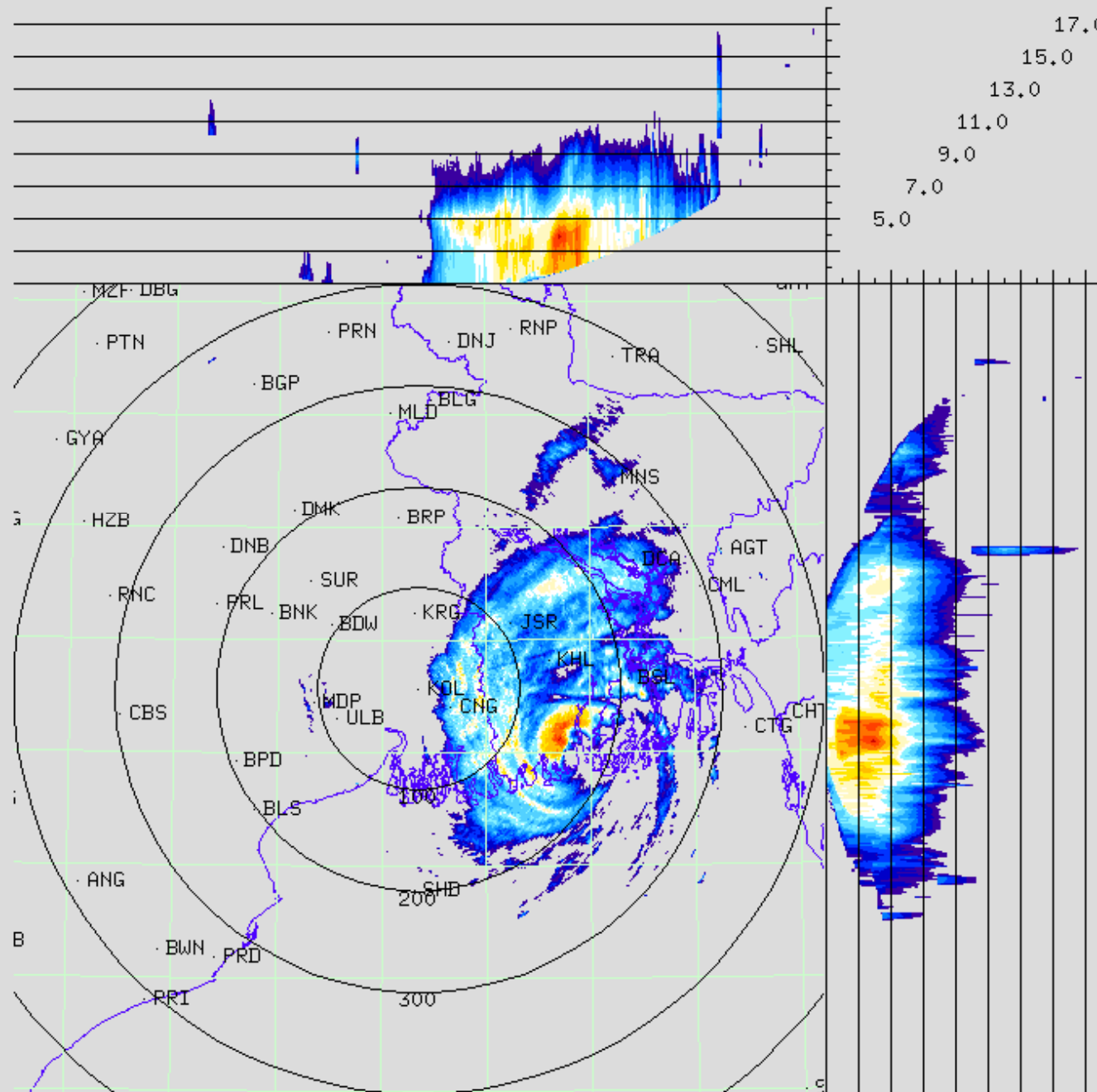
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111515583217.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 15:58:32



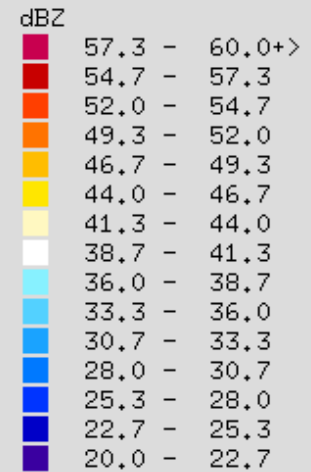
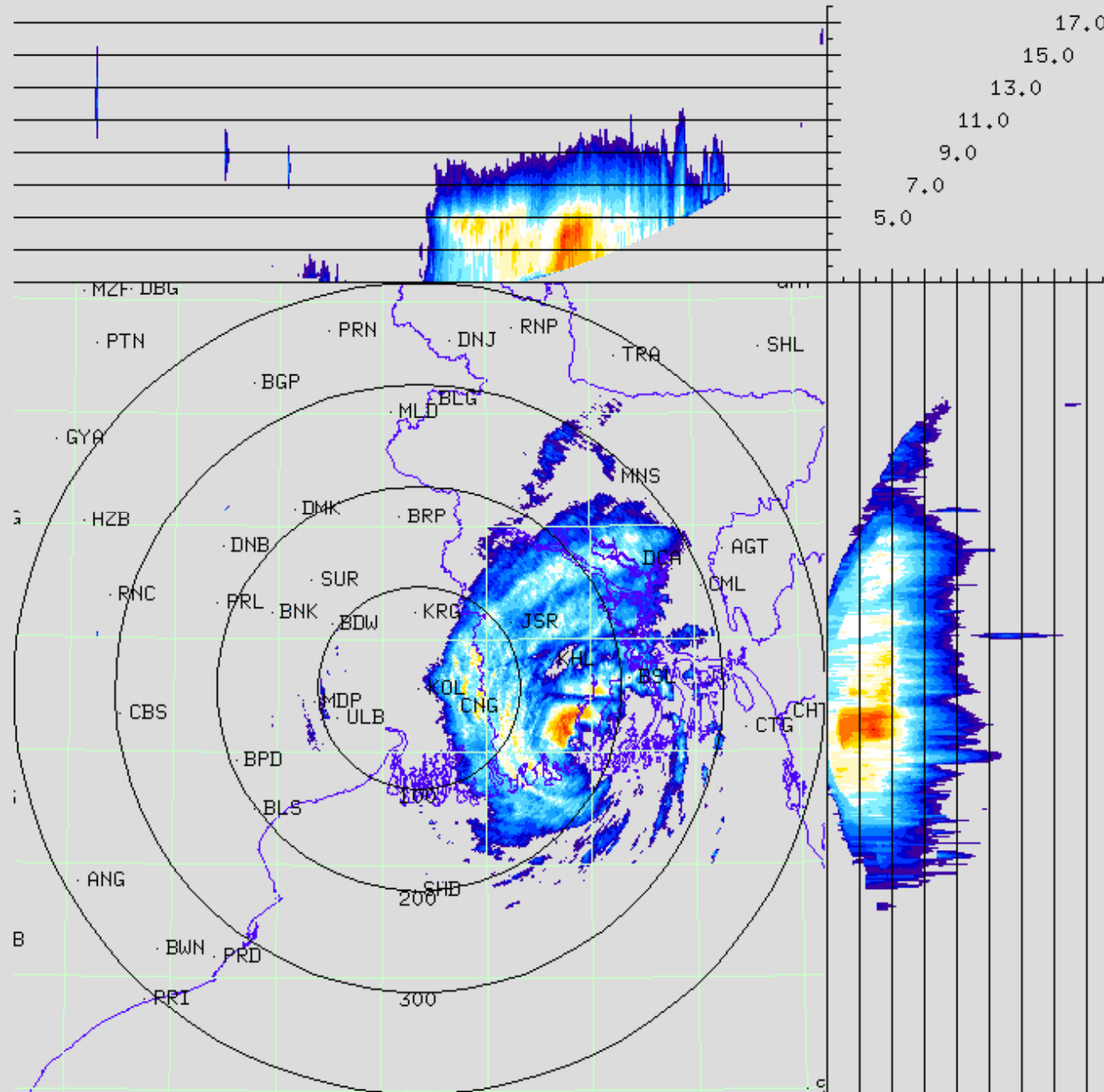
KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



File : 2007111516183237.caz
 Type : MAX(Z)
 Range: 400.0 km

15.11.2007
 16:18:32



KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 400 km
 Disp Res: 1.600 km
 PW : Long
 PRF: 300 / 0
 AS : 7.50 deg/s
 TS : 40
 RS : 1
 CC : Doppler 10
 SQI: 0.25
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

Doppler Weather Radar
 Kolkata



सिडर के पवन गति के चित्र

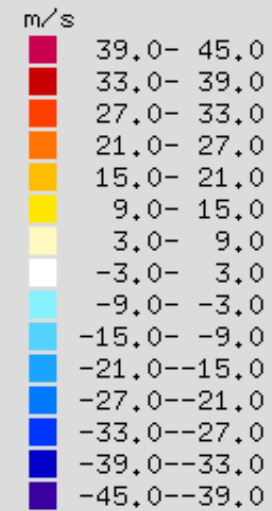
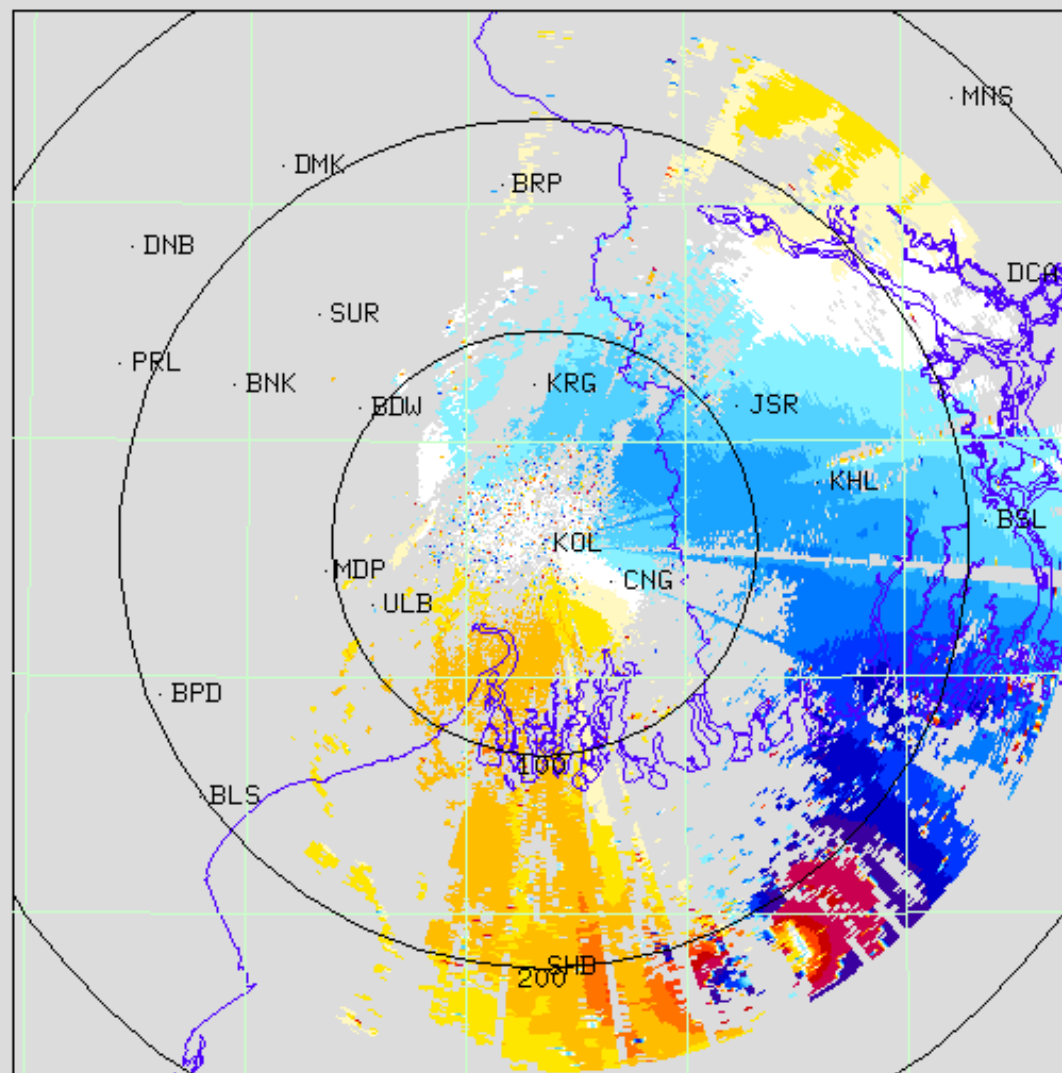


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2007111511083633.ppv
Type : PPI(V)
Range: 250.0 km

15.11.2007
11:08:36



KOLKATA_India
Scan R : 250 km
Scan Res: 0.50 km
Disp R : 250 km
Disp Res: 1.000 km
PW : Short
PRF: 600 / 450
AS : 8.50 deg/s
TS : 39
RS : 2
CC : Doppler 8
SQR: 0.35
CSR: 15.0 dB
LOG: 2.0 dB
AZ : 0.0-359.0
EL : 0.2 deg

Doppler Weather Radar
Kolkata

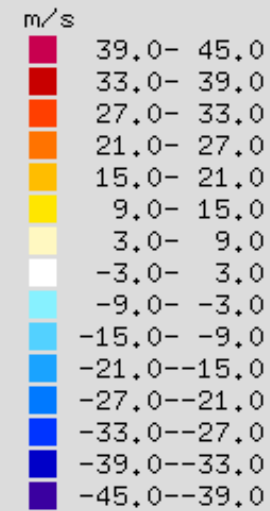
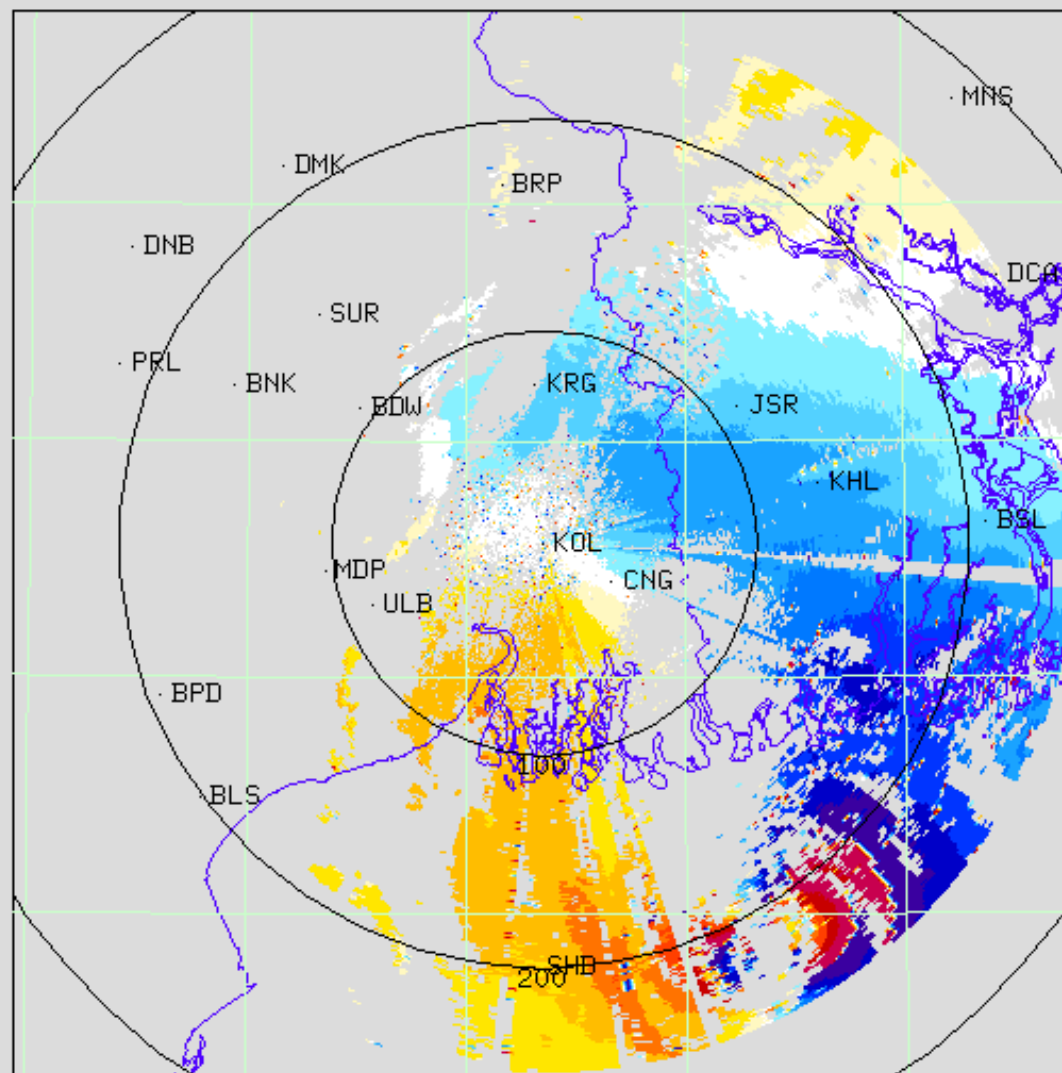


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2007111511283650.ppv
Type : PPI(V)
Range: 250.0 km

15.11.2007
11:28:36



KOLKATA_India
Scan R : 250 km
Scan Res: 0.50 km
Disp R : 250 km
Disp Res: 1.000 km
PW : Short
PRF: 600 / 450
AS : 8.50 deg/s
TS : 39
RS : 2
CC : Doppler 8
SQR: 0.35
CSR: 15.0 dB
LOG: 2.0 dB
AZ : 0.0-359.0
EL : 0.2 deg

Doppler Weather Radar
Kolkata

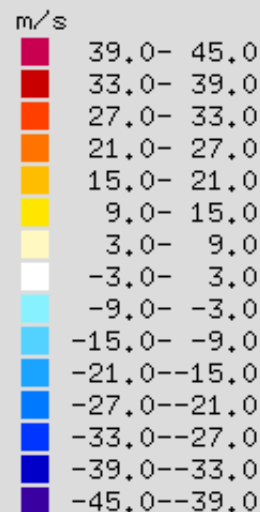
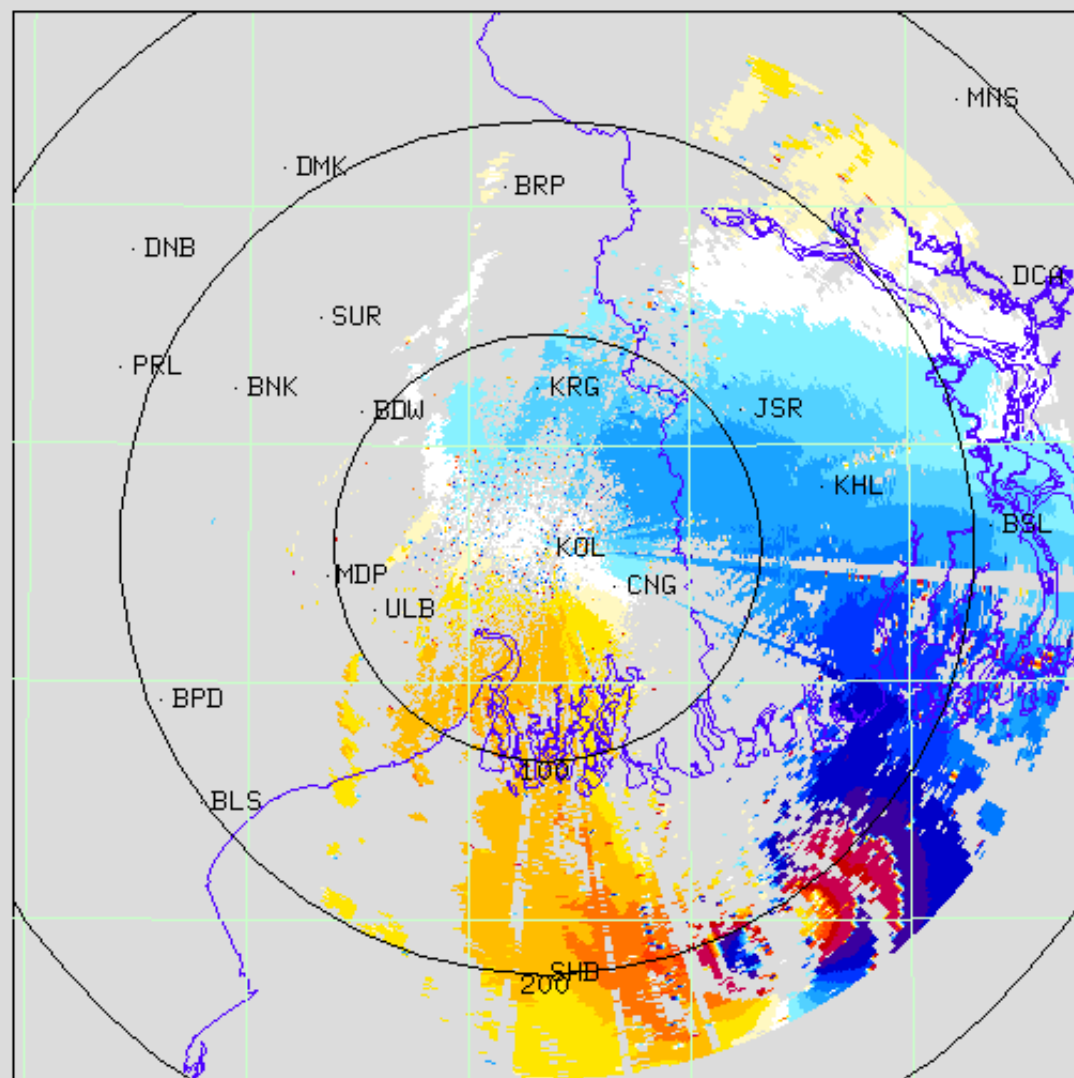


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2007111511483667.ppv
Type : PPI(V)
Range: 250.0 km

15.11.2007
11:48:36



KOLKATA_India
Scan R : 250 km
Scan Res: 0.50 km
Disp R : 250 km
Disp Res: 1.000 km
PW : Short
PRF: 600 / 450
AS : 8.50 deg/s
TS : 39
RS : 2
CC : Doppler 8
SQI: 0.35
CSR: 15.0 dB
LOG: 2.0 dB
AZ : 0.0-359.0
EL : 0.2 deg

Doppler Weather Radar
Kolkata

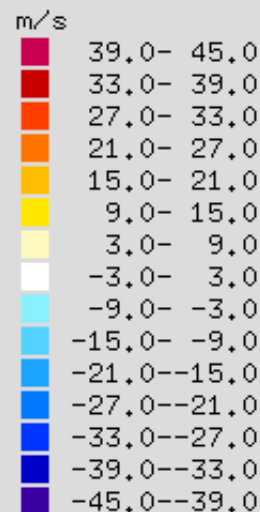
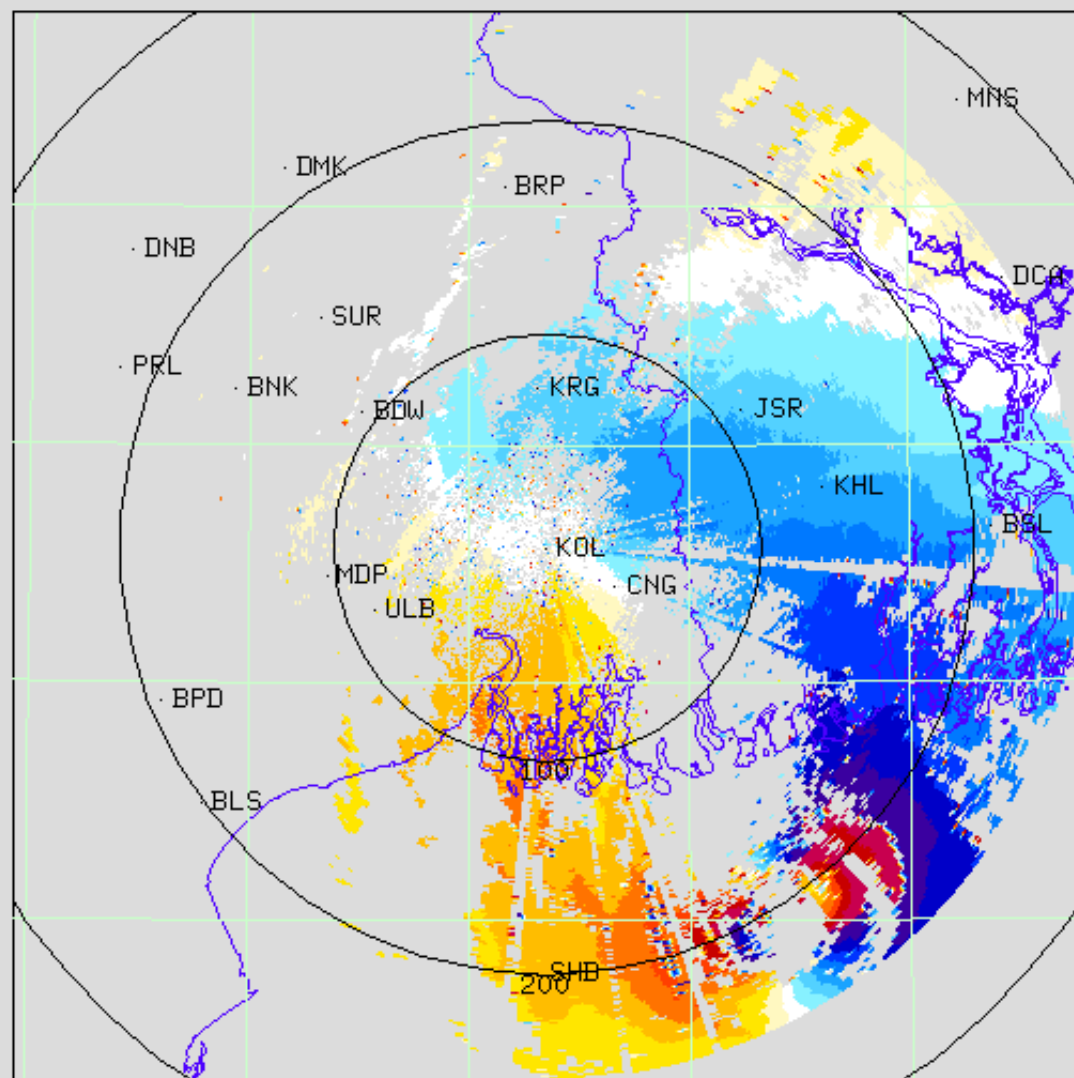


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2007111512083686.ppv
Type : PPI(V)
Range: 250.0 km

15.11.2007
12:08:36



KOLKATA_India
Scan R : 250 km
Scan Res: 0.50 km
Disp R : 250 km
Disp Res: 1.000 km
PW : Short
PRF: 600 / 450
AS : 8.50 deg/s
TS : 39
RS : 2
CC : Doppler 8
SQI: 0.35
CSR: 15.0 dB
LOG: 2.0 dB
AZ : 0.0-359.0
EL : 0.2 deg

Doppler Weather Radar
Kolkata

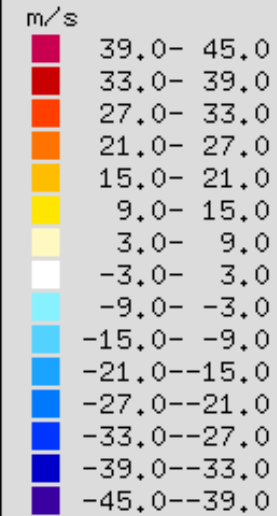
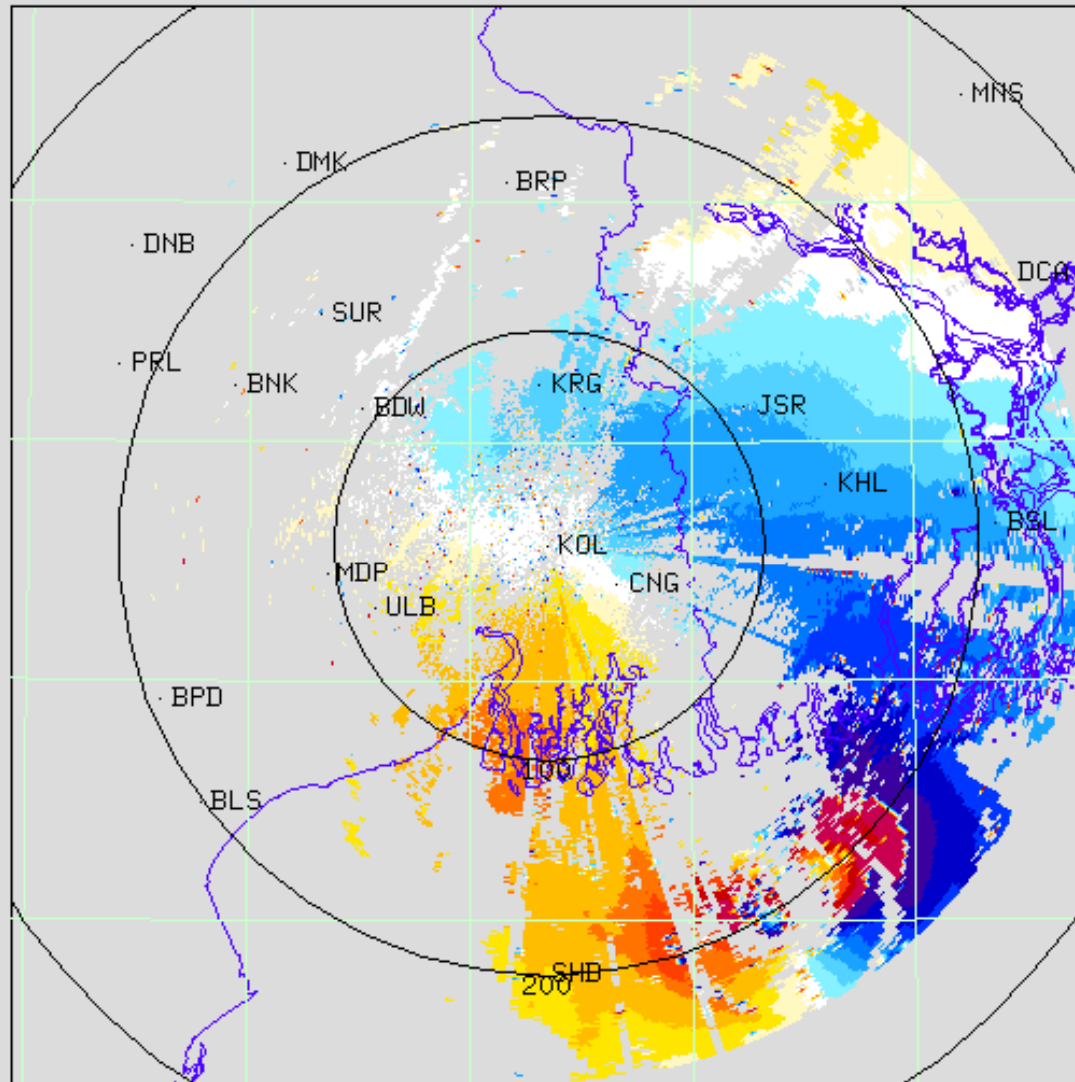


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2007111512270004.ppv
Type : PPI(V)
Range: 250.0 km

15.11.2007
12:27:00



KOLKATA_India
Scan R : 250 km
Scan Res: 0.50 km
Disp R : 250 km
Disp Res: 1.000 km
PW : Short
PRF: 600 / 450
AS : 8.50 deg/s
TS : 39
RS : 2
CC : Doppler 8
SQI: 0.35
CSR: 15.0 dB
LOG: 2.0 dB
AZ : 0.0-359.0
EL : 0.2 deg

Doppler Weather Radar
Kolkata

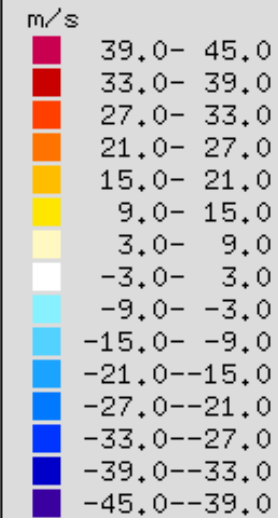
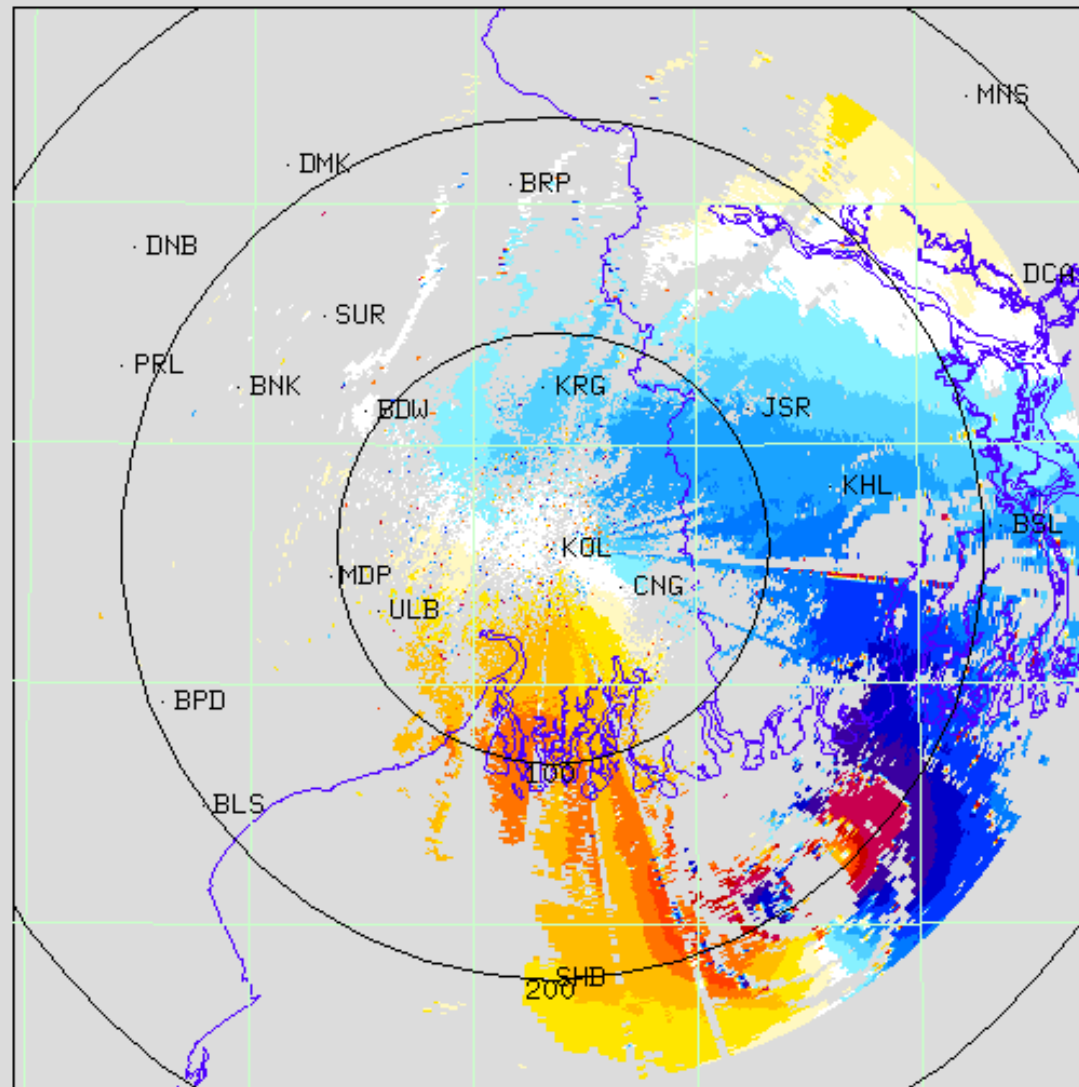


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2007111512470024.ppv
 Type : PPI (V)
 Range : 250.0 km

15.11.2007
 12:47:00



KOLKATA_India
 Scan R : 250 km
 Scan Res: 0.50 km
 Disp R : 250 km
 Disp Res: 1.000 km
 PW : Short
 PRF: 600 / 450
 AS : 8.50 deg/s
 TS : 39
 RS : 2
 CC : Doppler 8
 SQI: 0.35
 CSR: 15.0 dB
 LOG: 2.0 dB
 AZ : 0.0-359.0
 EL : 0.2 deg

Doppler Weather Radar
 Kolkata

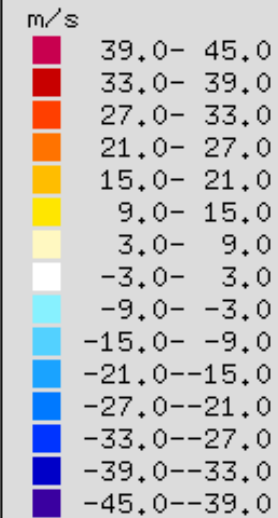
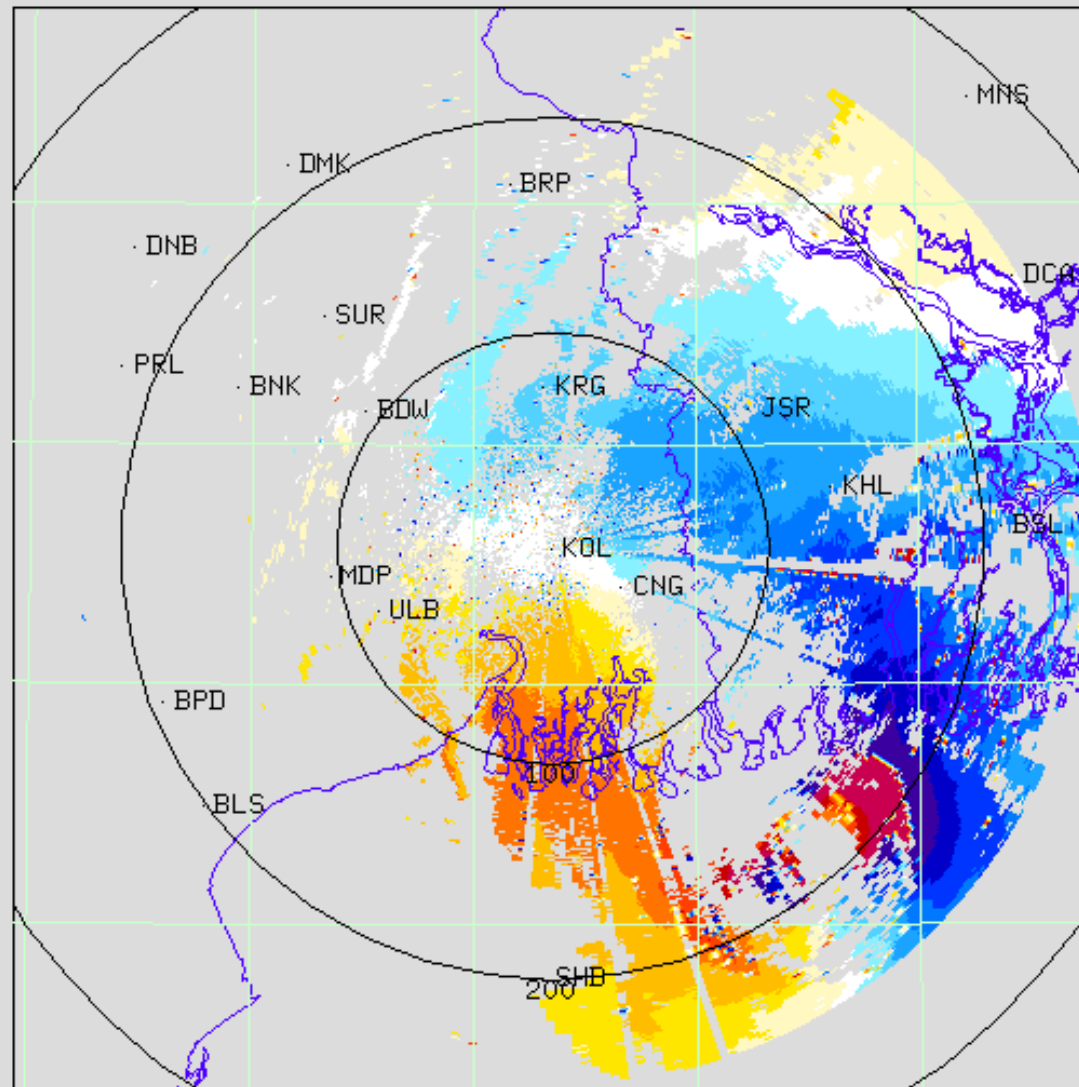


भारत मौसम विज्ञान विभाग
 INDIA METEOROLOGICAL DEPARTMENT



File : 2007111513070144.ppv
Type : PPI (V)
Range : 250.0 km

15.11.2007
13:07:01



KOLKATA_India
Scan R : 250 km
Scan Res: 0.50 km
Disp R : 250 km
Disp Res: 1.000 km
PW : Short
PRF: 600 / 450
AS : 8.50 deg/s
TS : 39
RS : 2
CC : Doppler 8
SQI: 0.35
CSR: 15.0 dB
LOG: 2.0 dB
AZ : 0.0-359.0
EL : 0.2 deg

Doppler Weather Radar
Kolkata



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

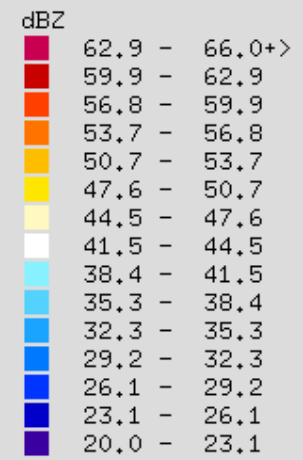
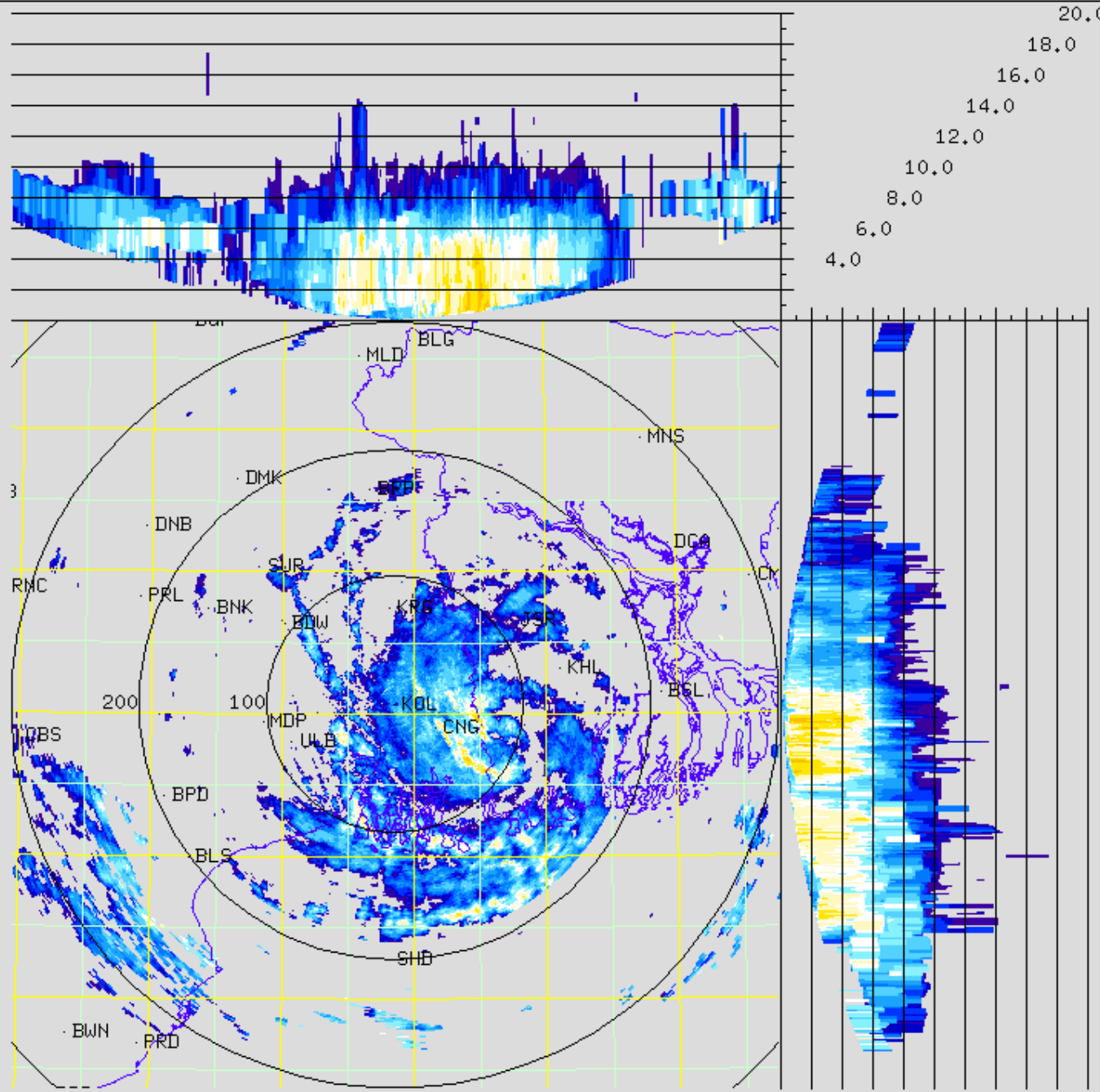


**डॉप्लर रेडार कोलकाता द्वारा
17 जून 2011
को अंकित किये गये
गहरे दबाव (Deep Depression)
के चित्र**



File : 2011061700041329.caz
 Type : MAX(Z)
 Range: 300.0 km

17.06.2011
 00:04:13



KOLKATA_India
 Scan R : 375 km
 Scan Res: 0.50 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Short
 PRF: 800 / 0
 AS : 11.90 deg/s
 TS : 64
 RS : 2
 CC : Doppler 12
 SQI: 0.35
 CSR: 20.0 dB
 LOG: 2.0 dB
 H : 20.00 km
 LS : 0.100 km

C.D.R. KOLKATA



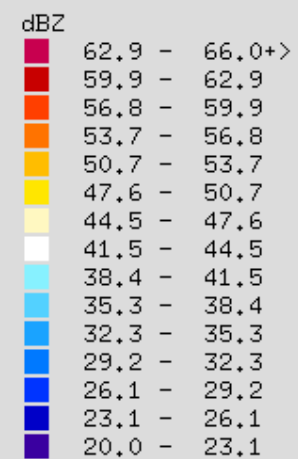
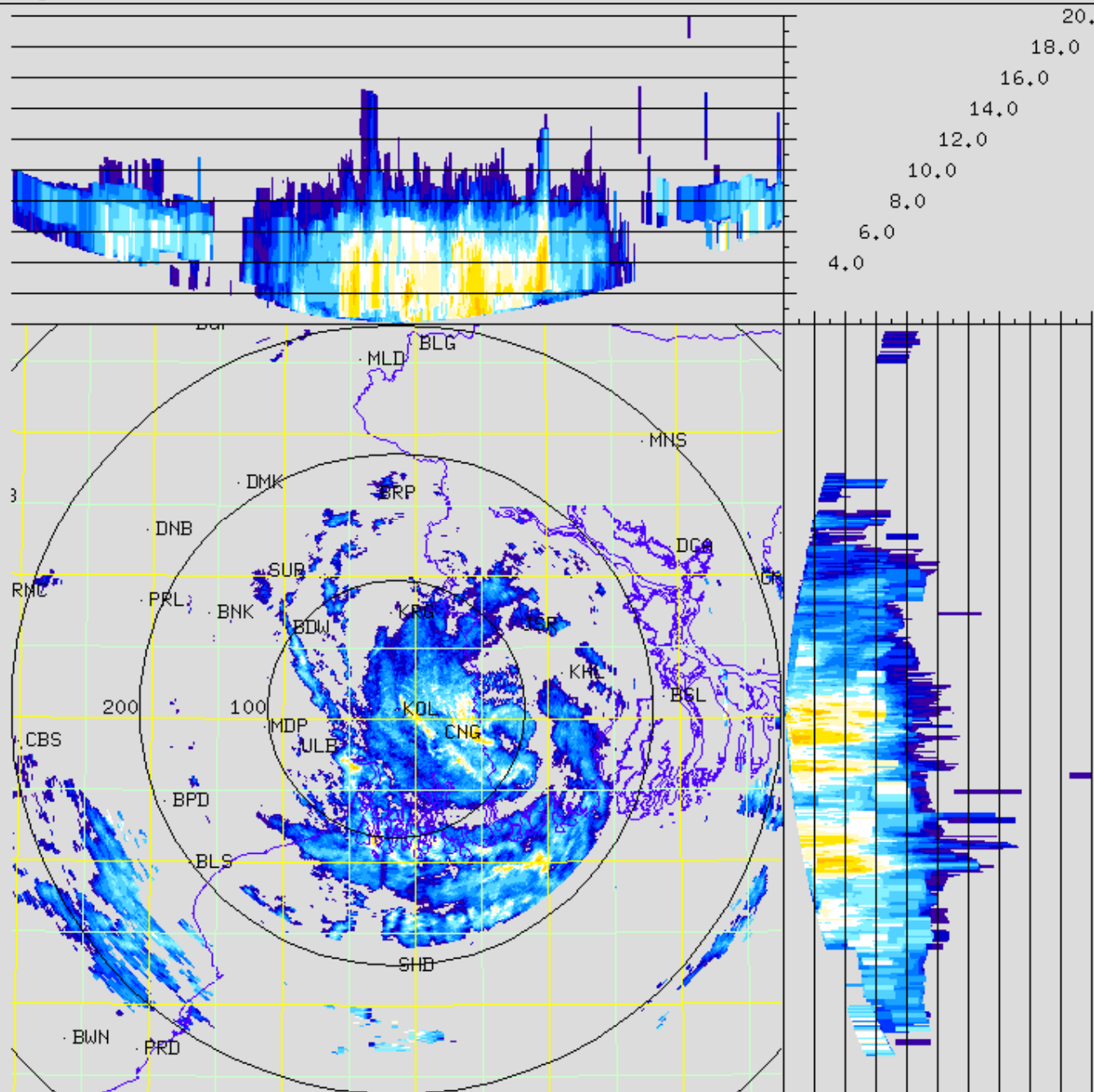
File : 2011061700241497.caz

Type : MAX(Z)

Range: 300.0 km

17.06.2011

00:24:14



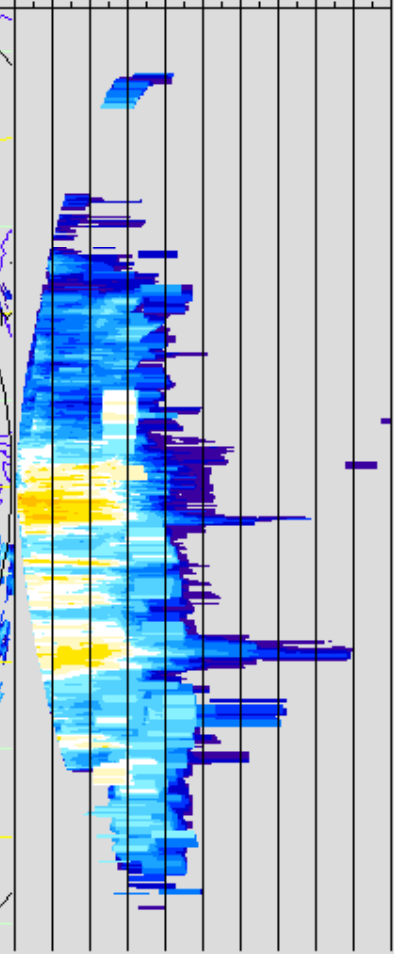
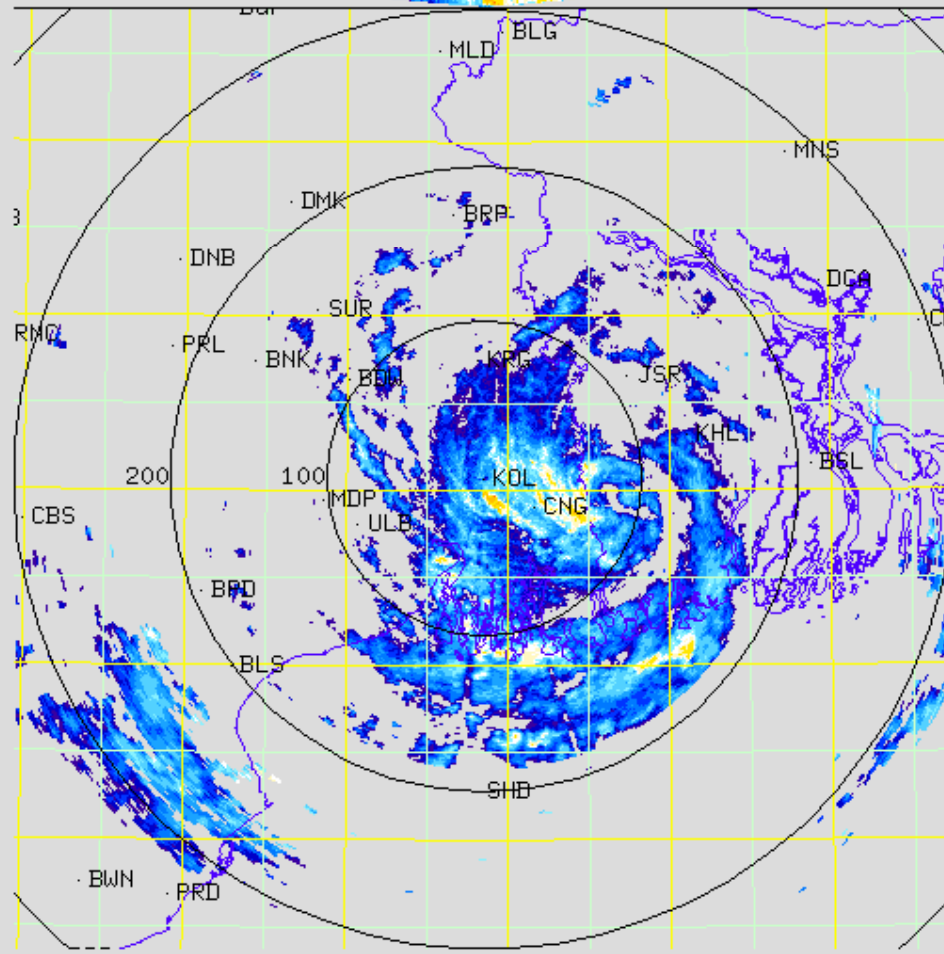
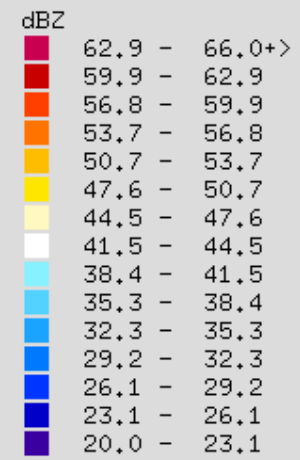
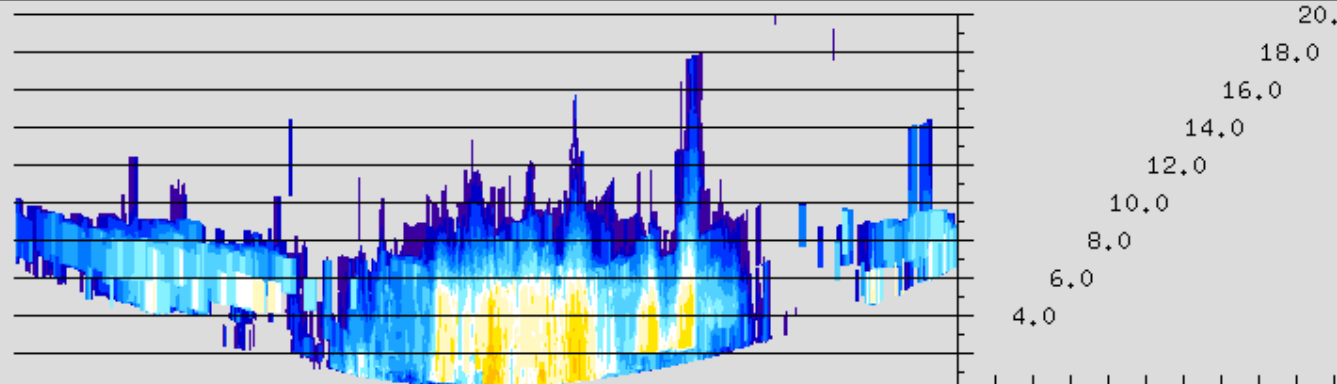
KOLKATA_India
Scan R : 375 km
Scan Res: 0.50 km
Disp R : 300 km
Disp Res: 1.200 km
PW : Short
PRF: 800 / 0
AS : 11.90 deg/s
TS : 64
RS : 2
CC : Doppler 12
SQI: 0.35
CSR: 20.0 dB
LOG: 2.0 dB
H : 20.00 km
LS : 0.100 km

C.D.R. KOLKATA



File : 2011061700441465.caz
 Type : MAX(Z)
 Range: 300.0 km

17.06.2011
 00:44:14



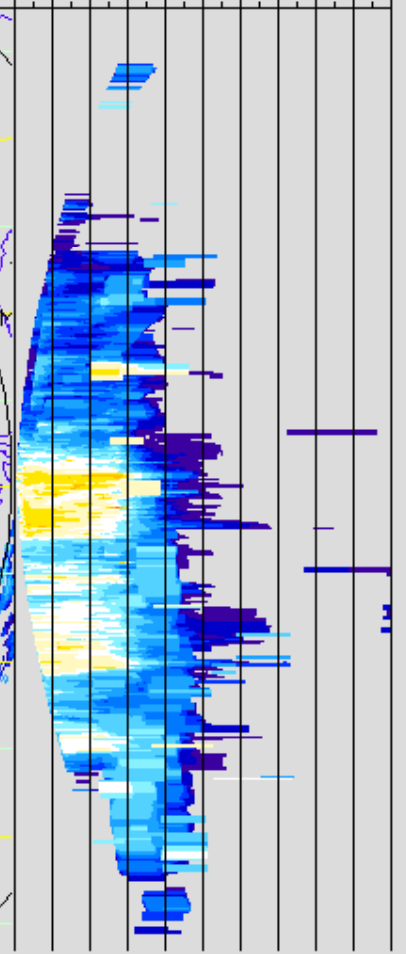
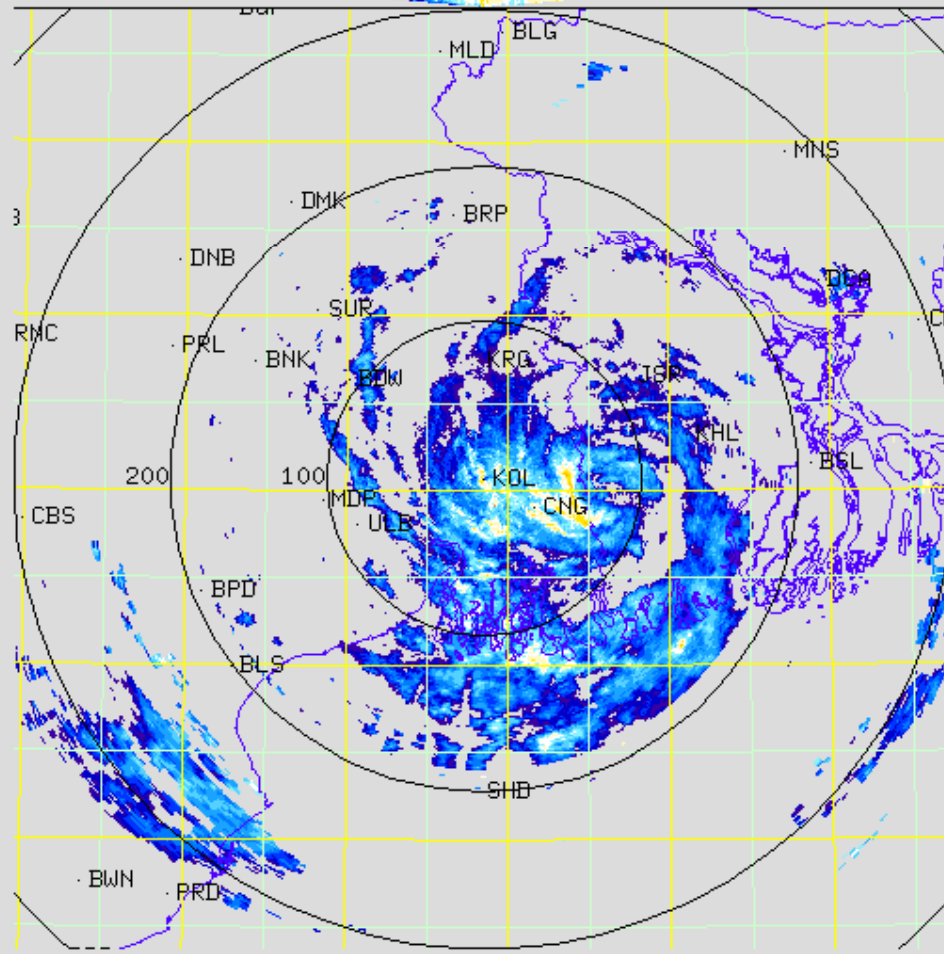
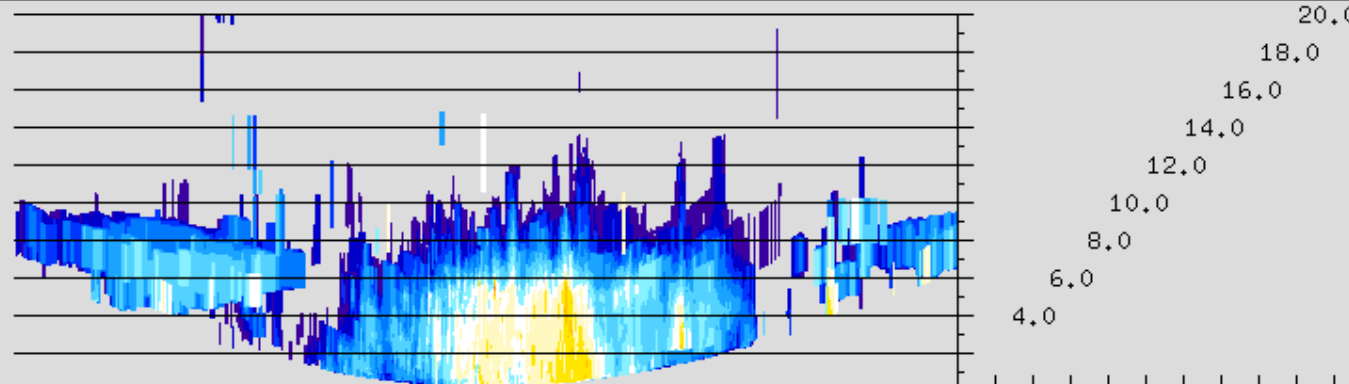
KOLKATA_India
 Scan R : 375 km
 Scan Res: 0.50 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Short
 PRF: 800 / 0
 AS : 11.90 deg/s
 TS : 64
 RS : 2
 CC : Doppler 12
 SQI: 0.35
 CSR: 20.0 dB
 LOG: 2.0 dB
 H : 20.00 km
 LS : 0.100 km

C.D.R. KOLKATA



File : 2011061701041533.caz
Type : MAX(Z)
Range: 300.0 km

17.06.2011
01:04:15



dBZ

| |
|--------------|
| 62.9 - 66.0+ |
| 59.9 - 62.9 |
| 56.8 - 59.9 |
| 53.7 - 56.8 |
| 50.7 - 53.7 |
| 47.6 - 50.7 |
| 44.5 - 47.6 |
| 41.5 - 44.5 |
| 38.4 - 41.5 |
| 35.3 - 38.4 |
| 32.3 - 35.3 |
| 29.2 - 32.3 |
| 26.1 - 29.2 |
| 23.1 - 26.1 |
| 20.0 - 23.1 |

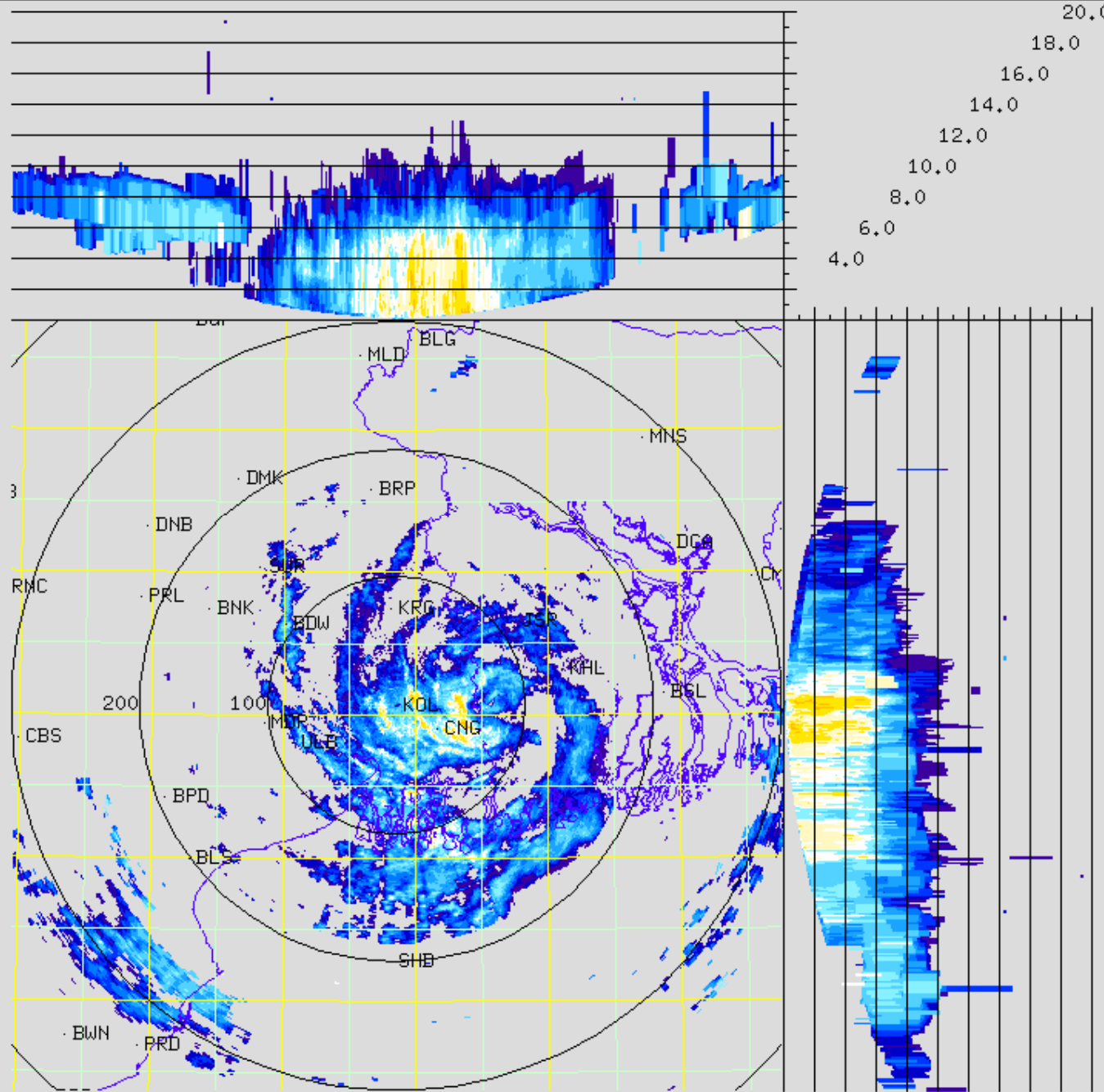
KOLKATA_India
Scan R : 375 km
Scan Res: 0.50 km
Disp R : 300 km
Disp Res: 1.200 km
PW : Short
PRF: 800 / 0
AS : 11.90 deg/s
TS : 64
RS : 2
CC : Doppler 12
SQI: 0.35
CSR: 20.0 dB
LOG: 2.0 dB
H : 20.00 km
LS : 0.100 km

C.D.R. KOLKATA



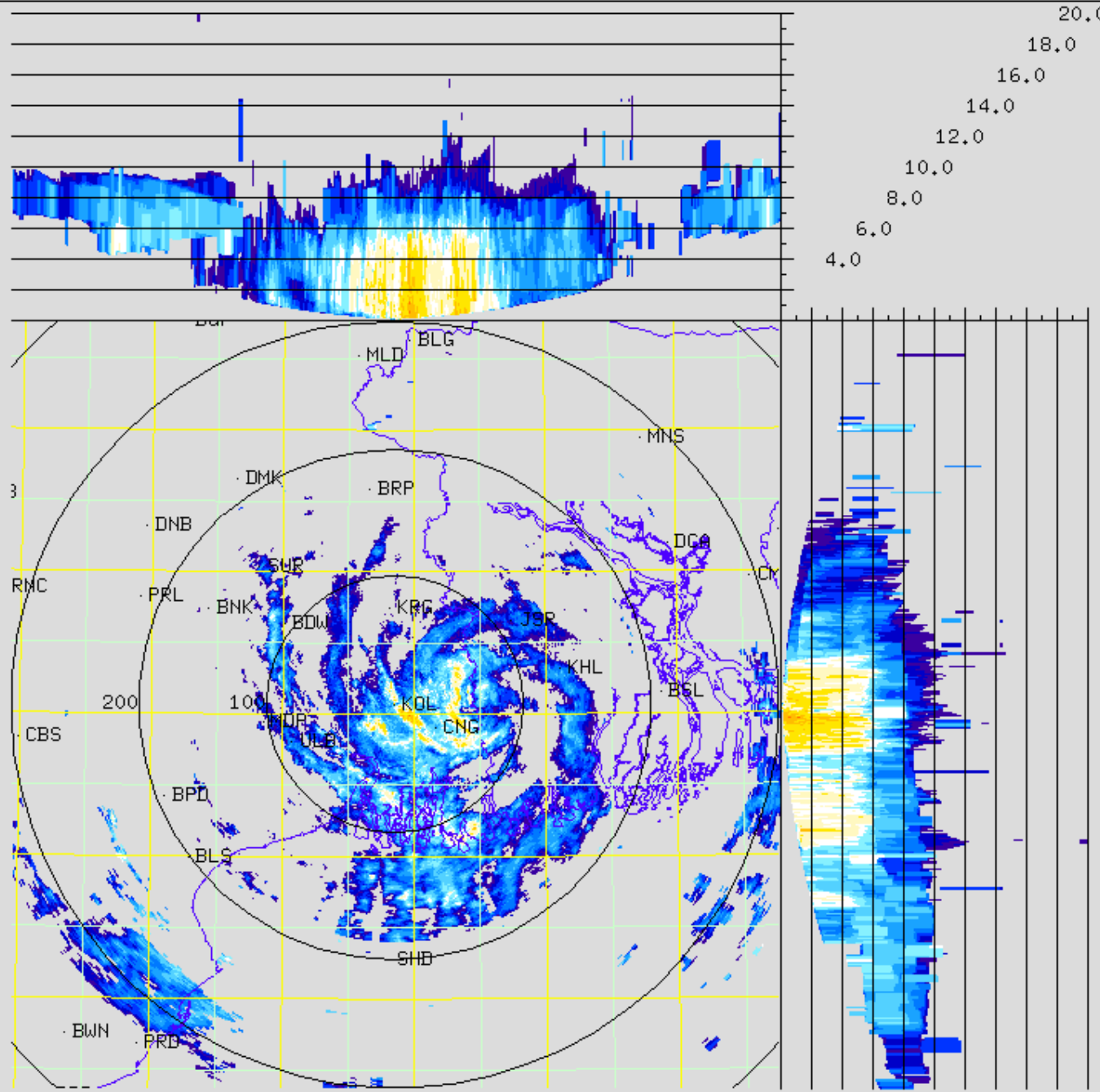
File : 2011061701241401.caz
Type : MAX(Z)
Range: 300.0 km

17.06.2011
01:24:14



File : 2011061701441469.caz
Type : MAX(Z)
Range: 300.0 km

17.06.2011
01:44:14



dBZ

| |
|--------------|
| 62.9 - 66.0+ |
| 59.9 - 62.9 |
| 56.8 - 59.9 |
| 53.7 - 56.8 |
| 50.7 - 53.7 |
| 47.6 - 50.7 |
| 44.5 - 47.6 |
| 41.5 - 44.5 |
| 38.4 - 41.5 |
| 35.3 - 38.4 |
| 32.3 - 35.3 |
| 29.2 - 32.3 |
| 26.1 - 29.2 |
| 23.1 - 26.1 |
| 20.0 - 23.1 |

KOLKATA_India
Scan R : 375 km
Scan Res: 0.50 km
Disp R : 300 km
Disp Res: 1.200 km
PW : Short
PRF: 800 / 0
AS : 11.90 deg/s
TS : 64
RS : 2
CC : Doppler 12
SQI: 0.35
CSR: 20.0 dB
LOG: 2.0 dB
H : 20.00 km
LS : 0.100 km

C.D.R. KOLKATA



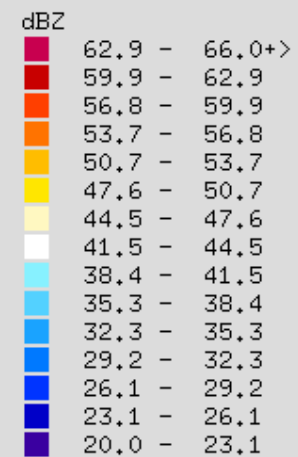
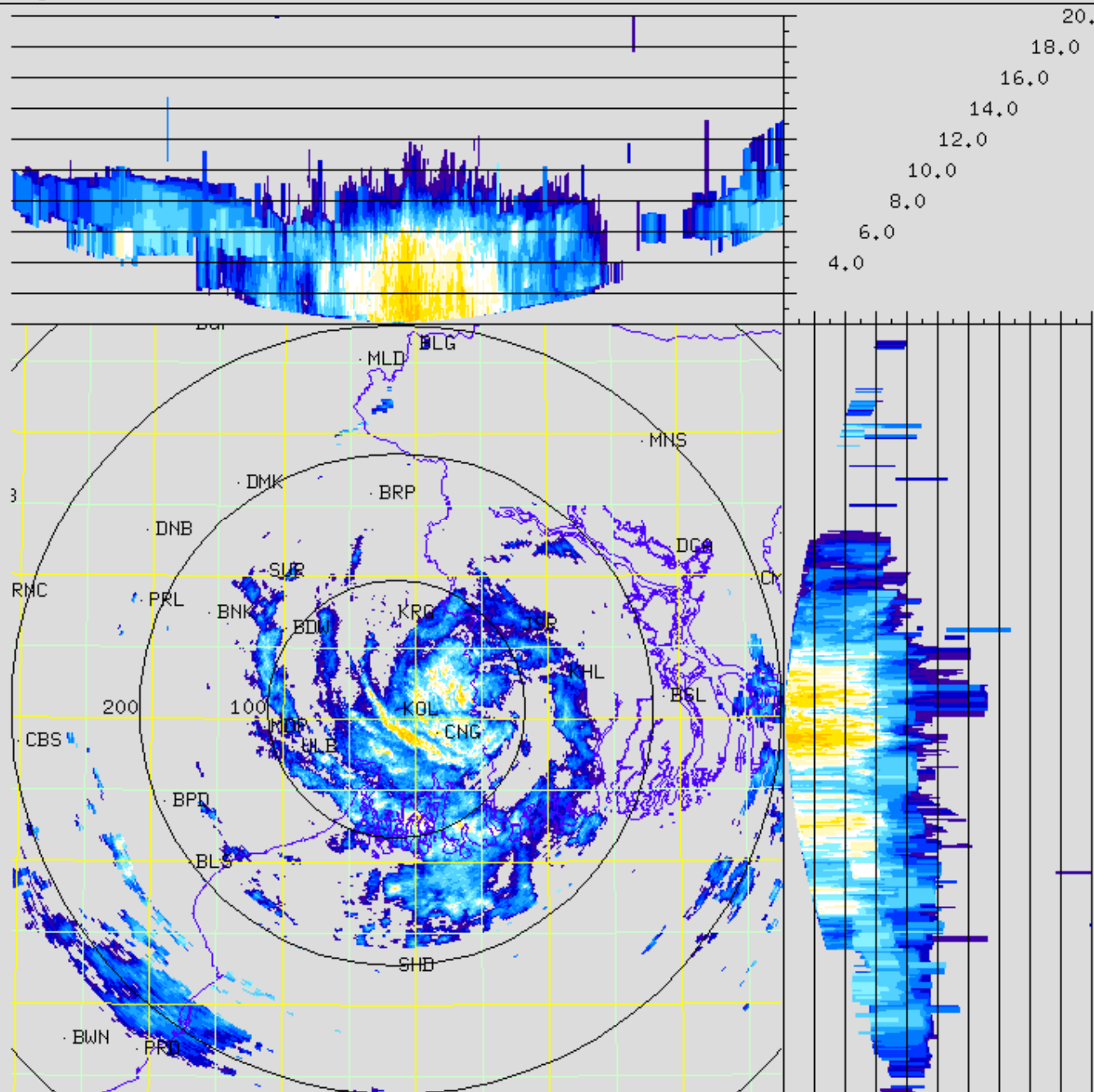
File : 2011061702041437.caz

Type : MAX(Z)

Range: 300.0 km

17.06.2011

02:04:14



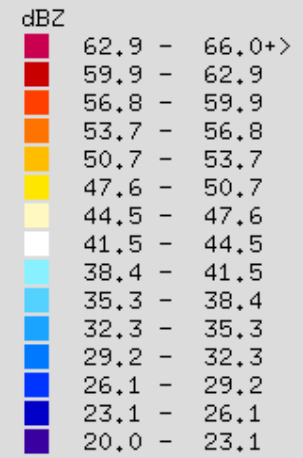
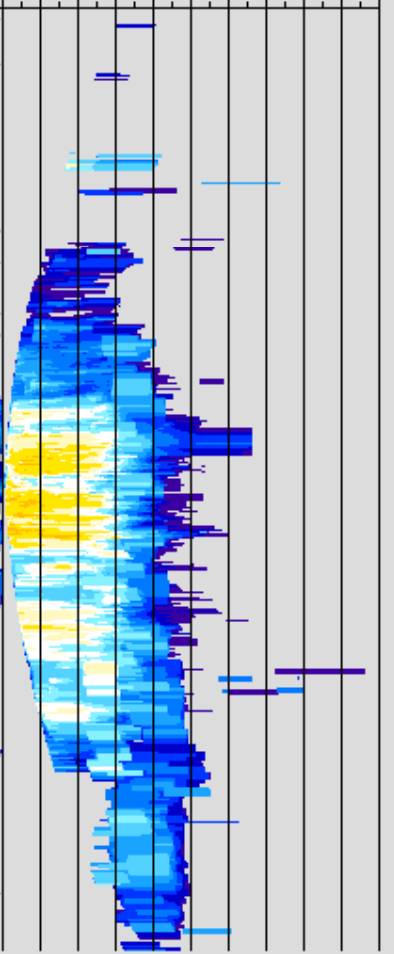
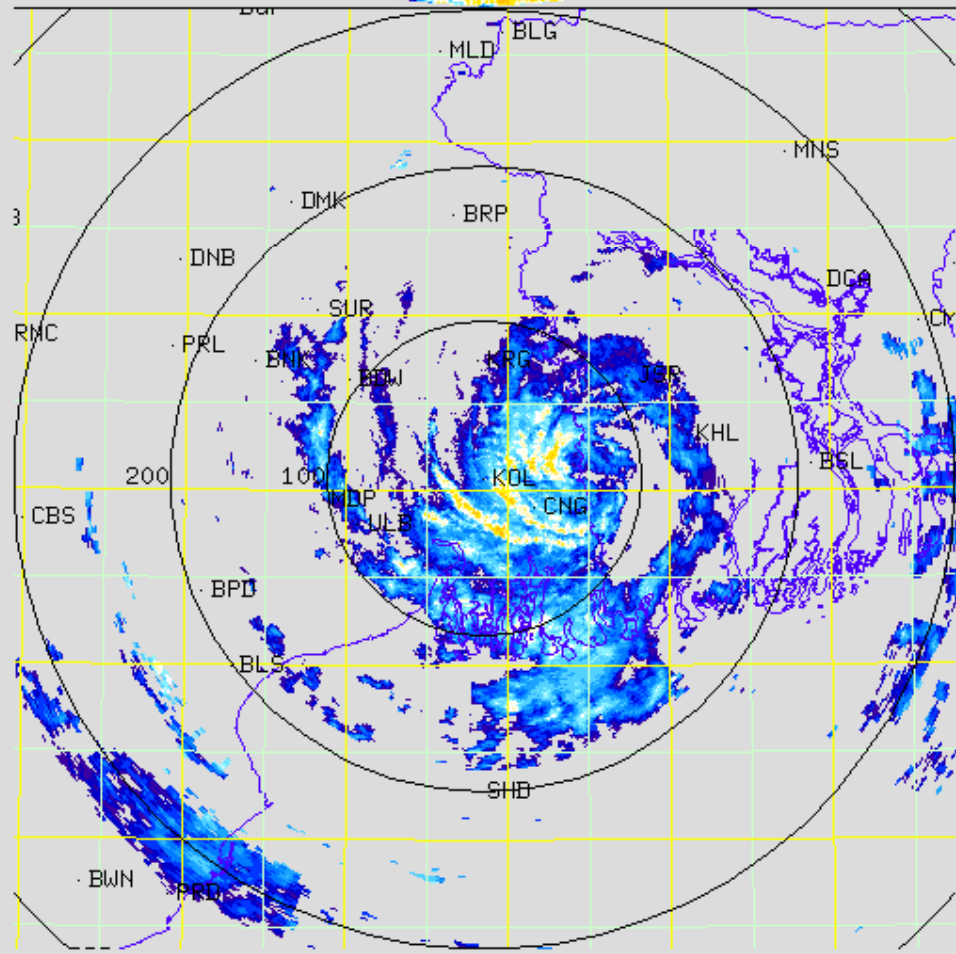
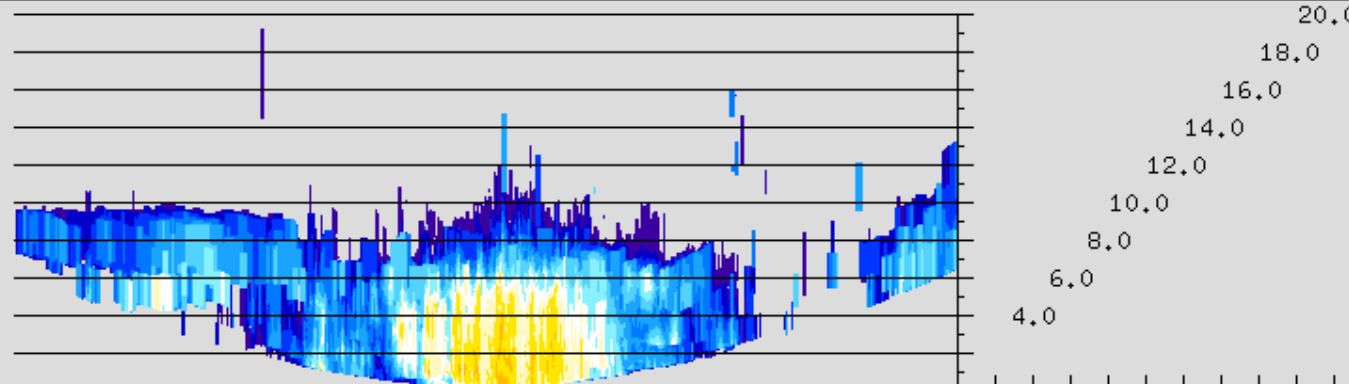
KOLKATA_India
Scan R : 375 km
Scan Res: 0.50 km
Disp R : 300 km
Disp Res: 1.200 km
PW : Short
PRF: 800 / 0
AS : 11.90 deg/s
TS : 64
RS : 2
CC : Doppler 12
SQI: 0.35
CSR: 20.0 dB
LOG: 2.0 dB
H : 20.00 km
LS : 0.100 km

C.D.R. KOLKATA



File : 2011061702241405.caz
 Type : MAX(Z)
 Range: 300.0 km

17.06.2011
 02:24:14

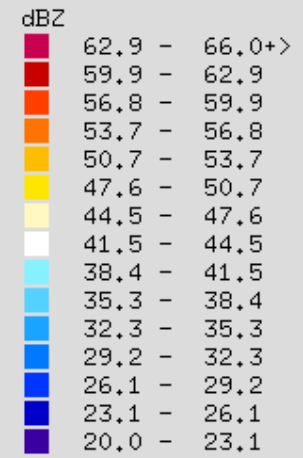
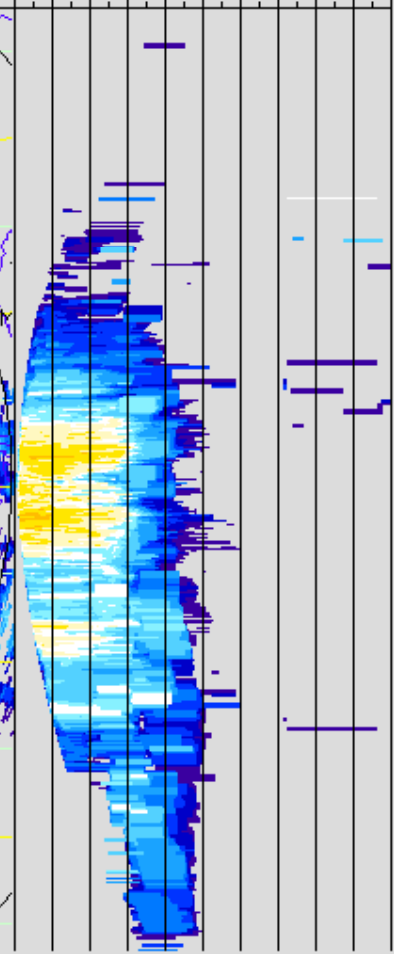
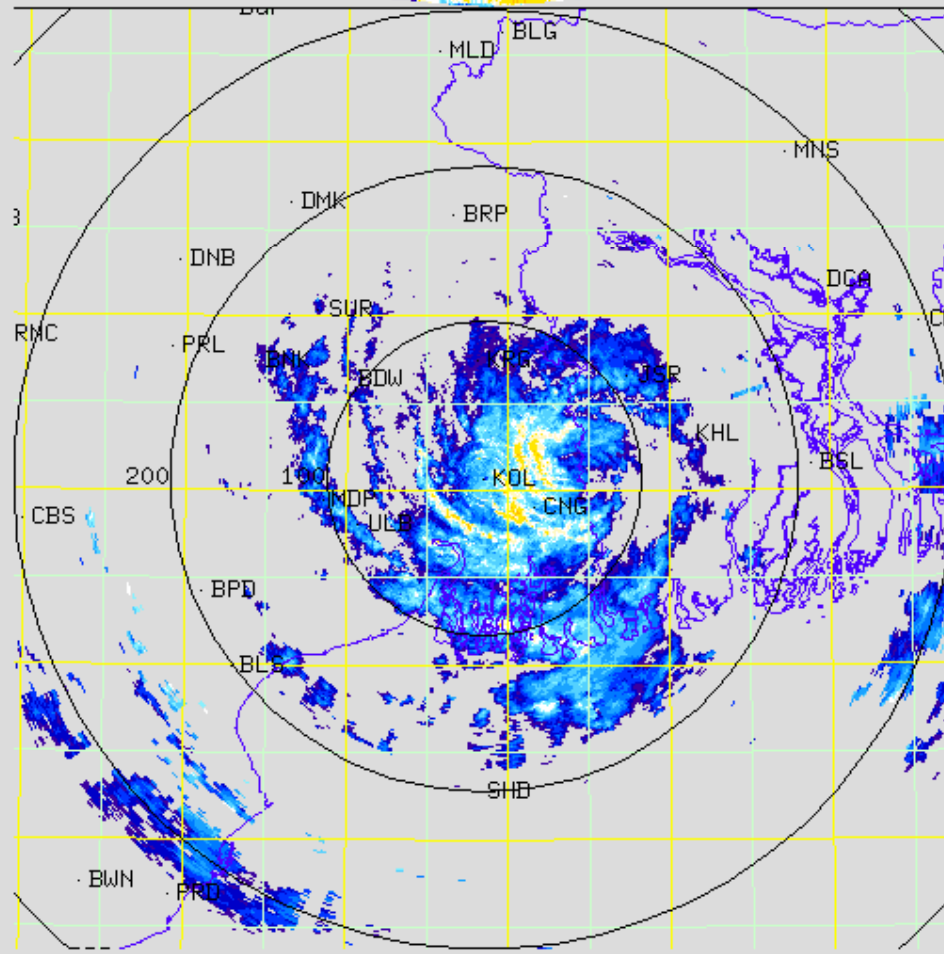
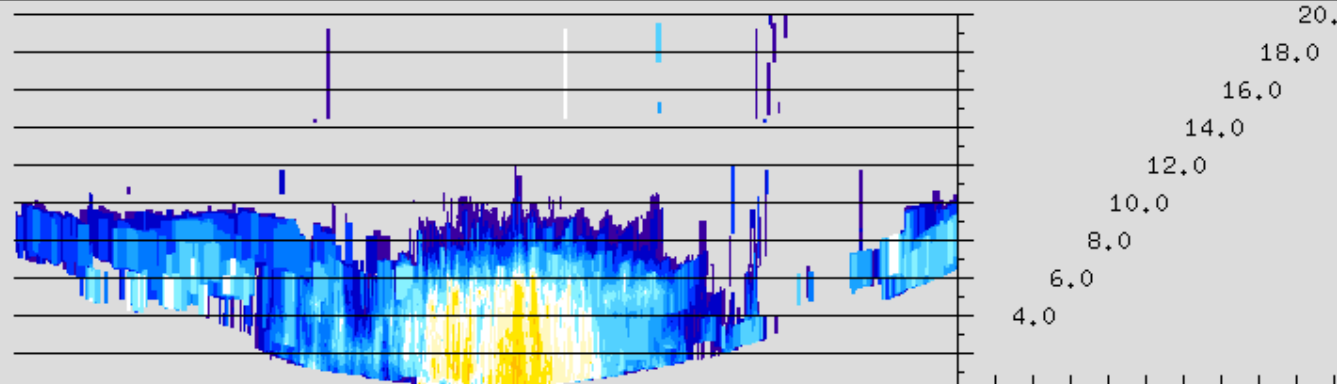


KOLKATA_India
 Scan R : 375 km
 Scan Res: 0.50 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Short
 PRF: 800 / 0
 AS : 11.90 deg/s
 TS : 64
 RS : 2
 CC : Doppler 12
 SQI: 0.35
 CSR: 20.0 dB
 LOG: 2.0 dB
 H : 20.00 km
 LS : 0.100 km
 C.D.R. KOLKATA



File : 2011061702441473.caz
 Type : MAX(Z)
 Range: 300.0 km

17.06.2011
 02:44:14



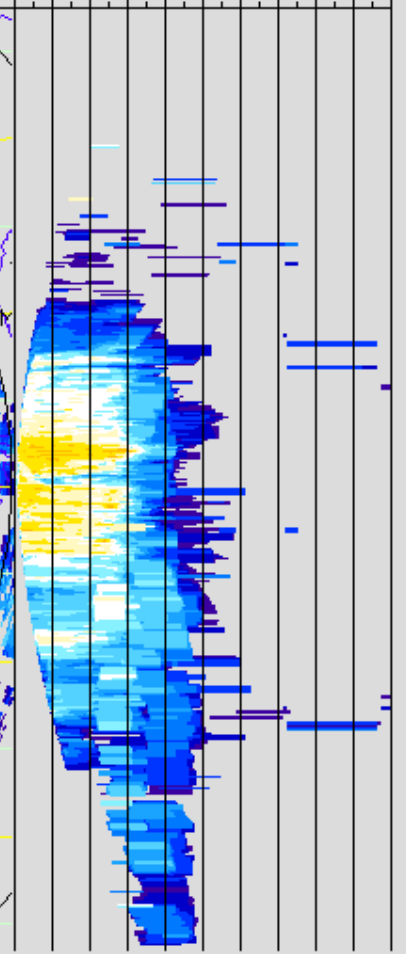
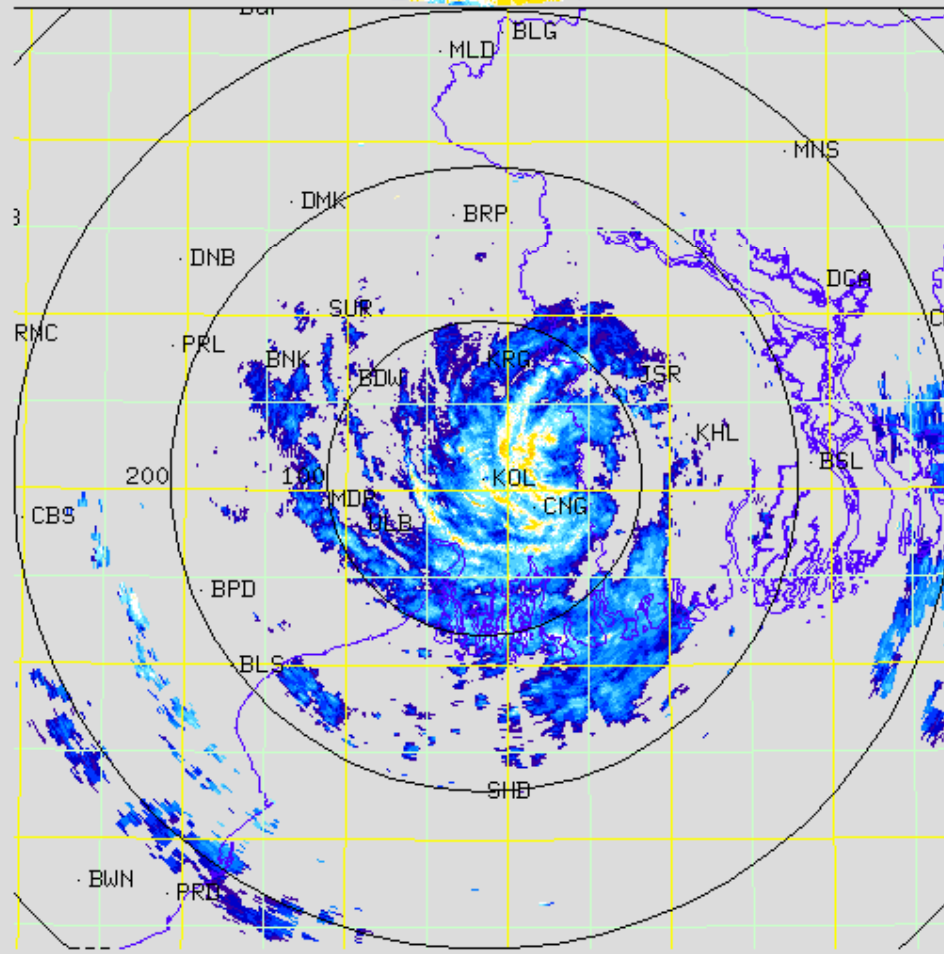
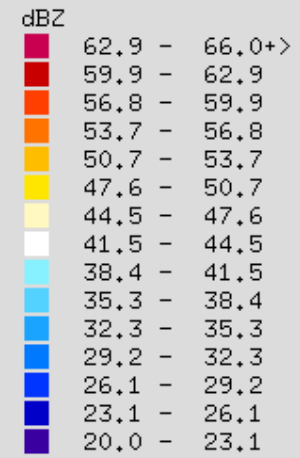
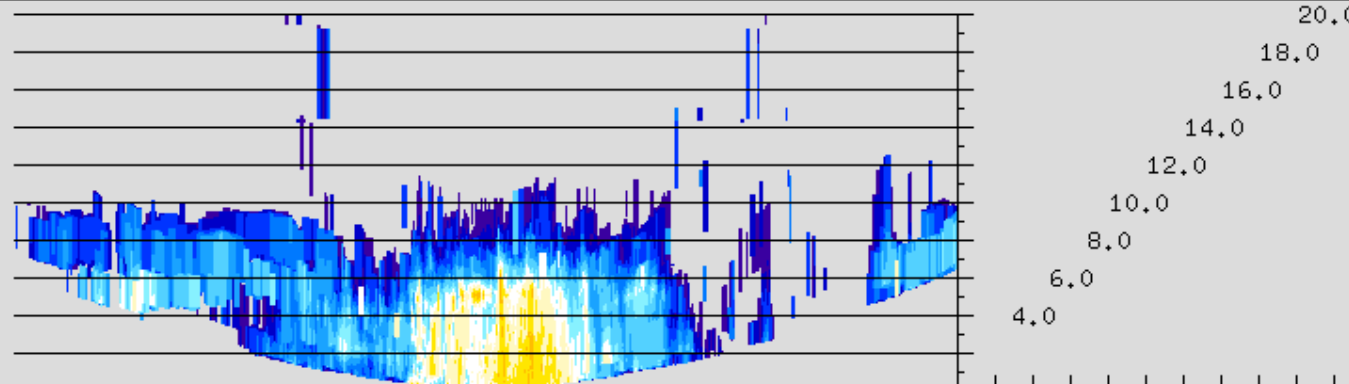
KOLKATA_India
 Scan R : 375 km
 Scan Res: 0.50 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Short
 PRF: 800 / 0
 AS : 11.90 deg/s
 TS : 64
 RS : 2
 CC : Doppler 12
 SQI: 0.35
 CSR: 20.0 dB
 LOG: 2.0 dB
 H : 20.00 km
 LS : 0.100 km

C.D.R. KOLKATA



File : 2011061703041541.caz
 Type : MAX(Z)
 Range : 300.0 km

17.06.2011
 03:04:15

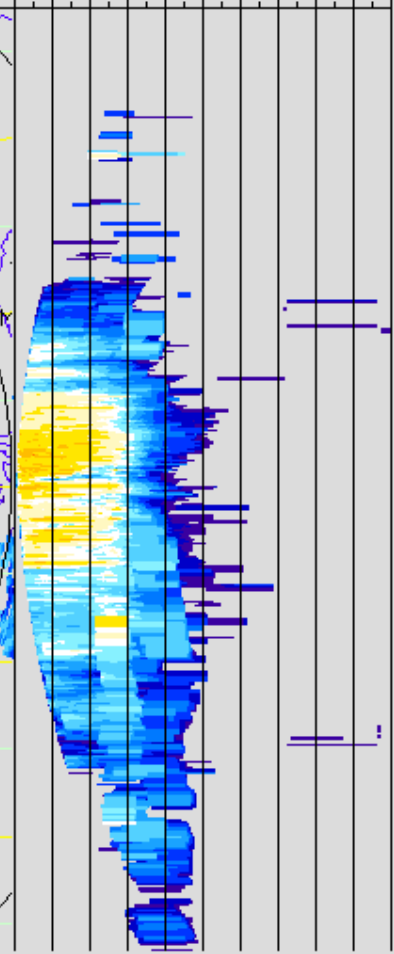
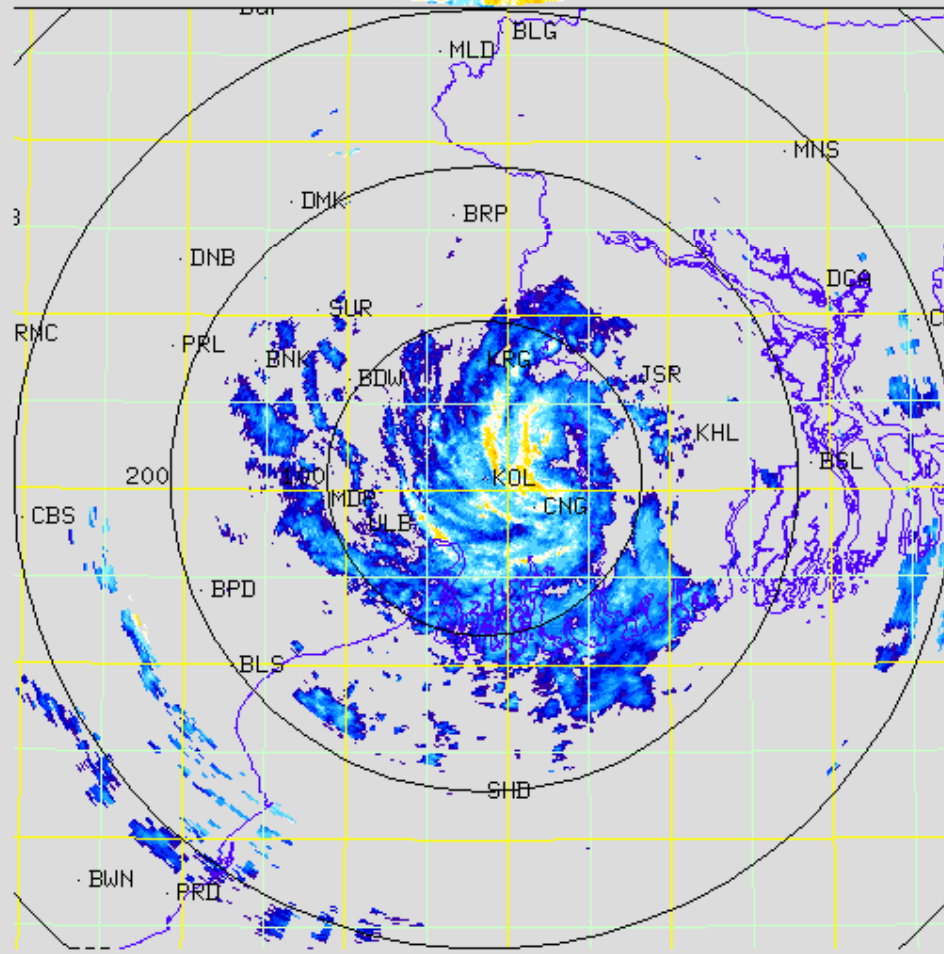
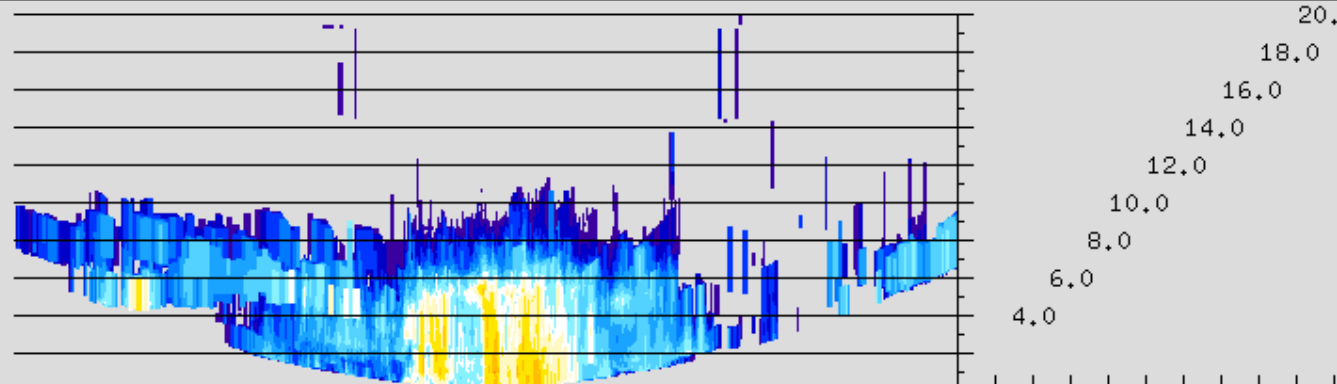


KOLKATA_India
 Scan R : 375 km
 Scan Res: 0.50 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Short
 PRF: 800 / 0
 AS : 11.90 deg/s
 TS : 64
 RS : 2
 CC : Doppler 12
 SQI: 0.35
 CSR: 20.0 dB
 LOG: 2.0 dB
 H : 20.00 km
 LS : 0.100 km
 C.D.R. KOLKATA



File : 2011061703241509.caz
Type : MAX(Z)
Range : 300.0 km

17.06.2011
03:24:15



dBZ

| |
|--------------|
| 62.9 - 66.0+ |
| 59.9 - 62.9 |
| 56.8 - 59.9 |
| 53.7 - 56.8 |
| 50.7 - 53.7 |
| 47.6 - 50.7 |
| 44.5 - 47.6 |
| 41.5 - 44.5 |
| 38.4 - 41.5 |
| 35.3 - 38.4 |
| 32.3 - 35.3 |
| 29.2 - 32.3 |
| 26.1 - 29.2 |
| 23.1 - 26.1 |
| 20.0 - 23.1 |

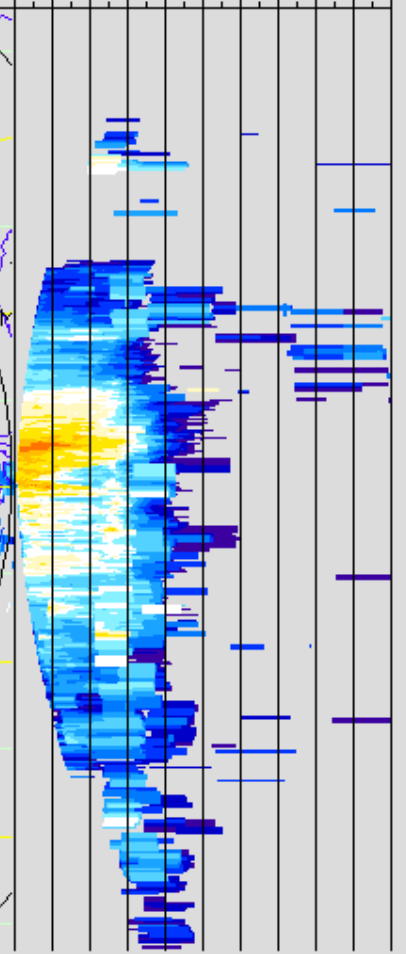
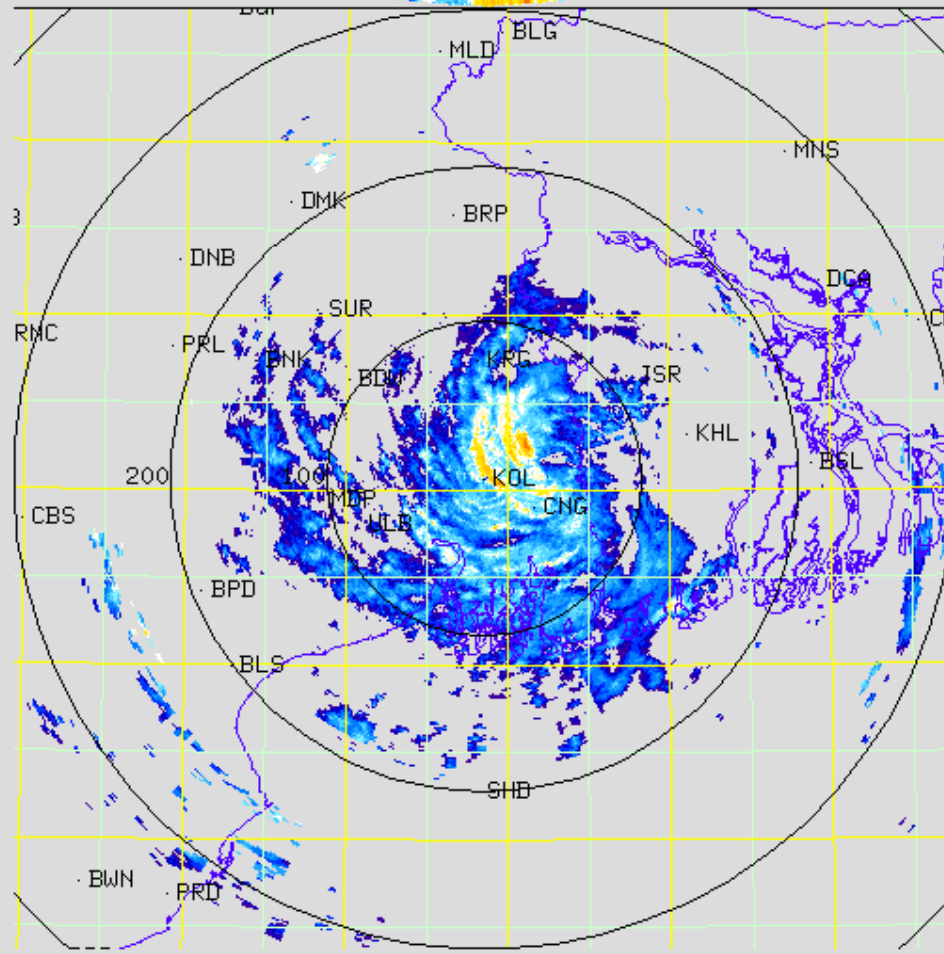
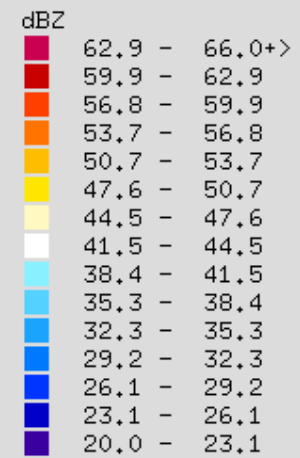
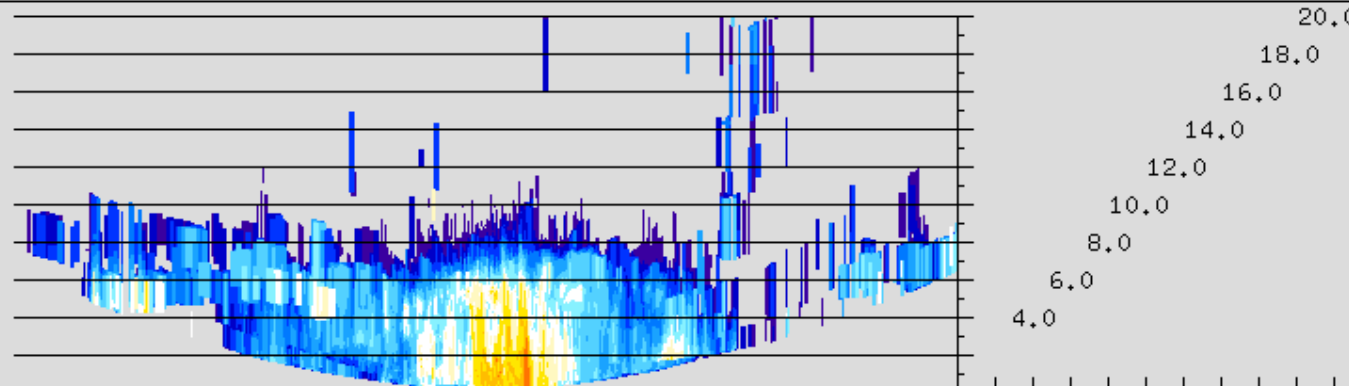
KOLKATA_India
Scan R : 375 km
Scan Res: 0.50 km
Disp R : 300 km
Disp Res: 1.200 km
PW : Short
PRF: 800 / 0
AS : 11.90 deg/s
TS : 64
RS : 2
CC : Doppler 12
SQI: 0.35
CSR: 20.0 dB
LOG: 2.0 dB
H : 20.00 km
LS : 0.100 km

C.D.R. KOLKATA



File : 2011061703441477.caz
 Type : MAX(Z)
 Range: 300.0 km

17.06.2011
 03:44:14



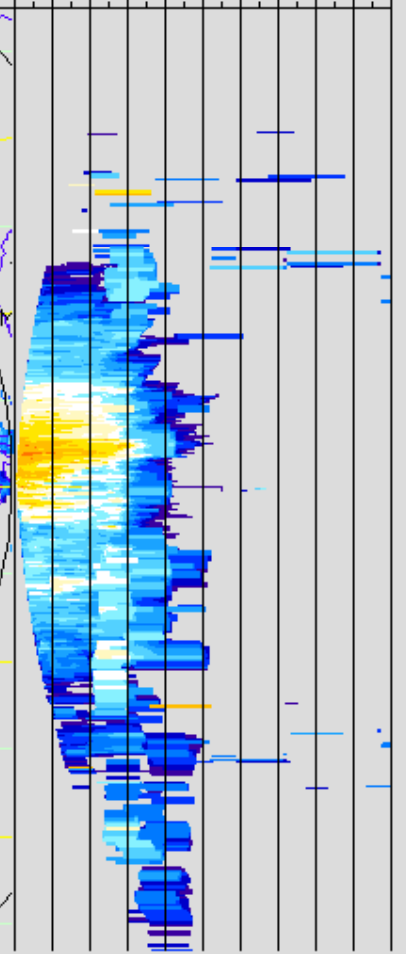
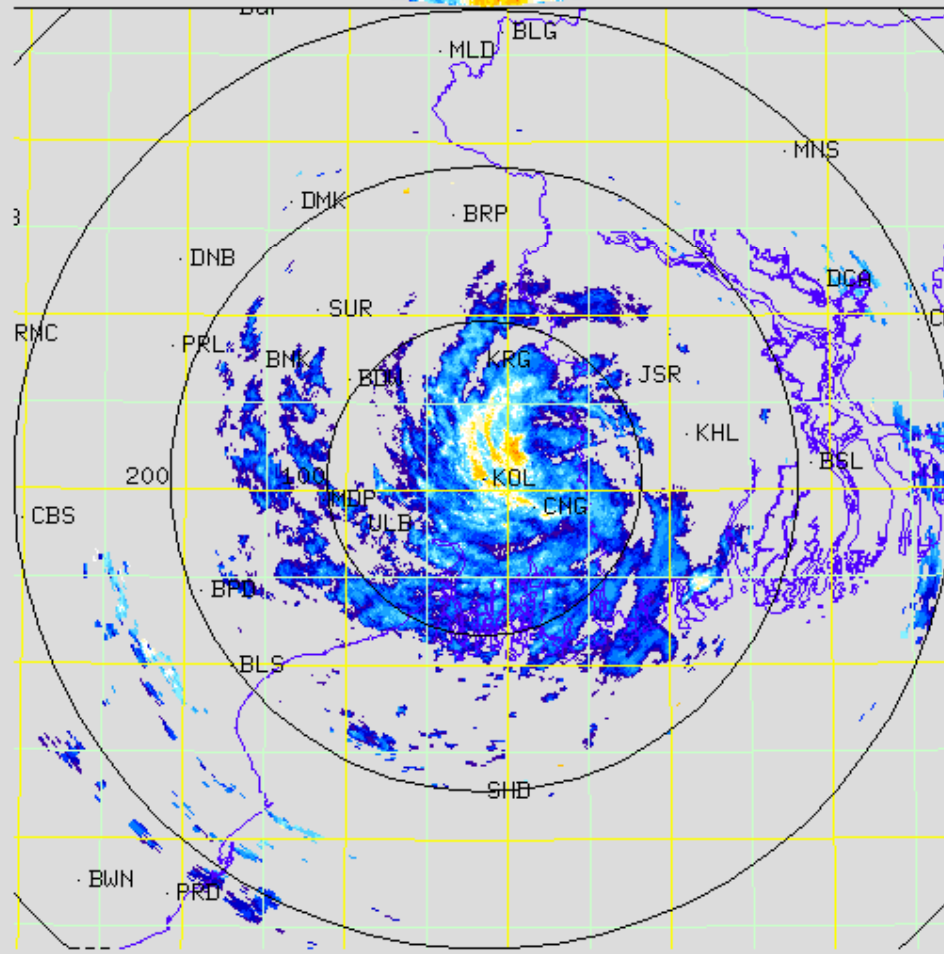
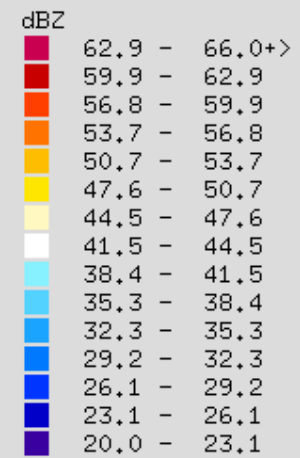
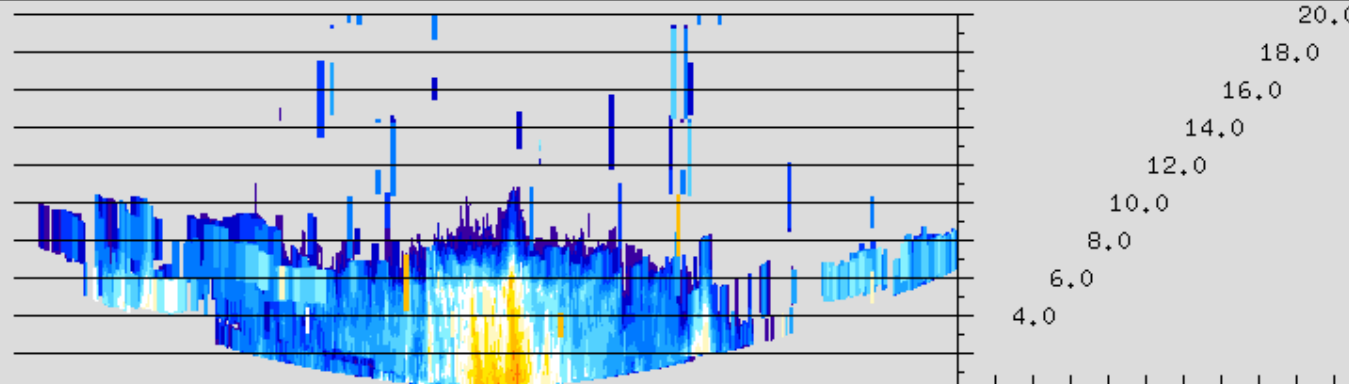
KOLKATA_India
 Scan R : 375 km
 Scan Res: 0.50 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Short
 PRF: 800 / 0
 AS : 11.90 deg/s
 TS : 64
 RS : 2
 CC : Doppler 12
 SQI: 0.35
 CSR: 20.0 dB
 LOG: 2.0 dB
 H : 20.00 km
 LS : 0.100 km

C.D.R. KOLKATA



File : 2011061704041445.caz
 Type : MAX(Z)
 Range: 300.0 km

17.06.2011
 04:04:14



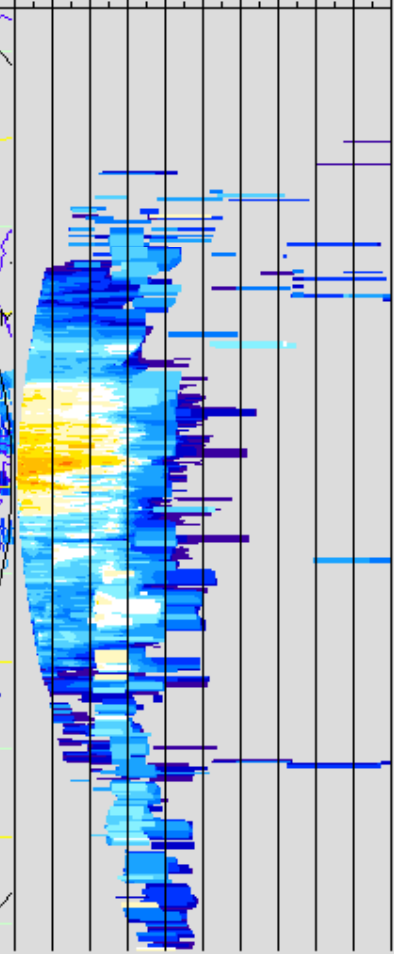
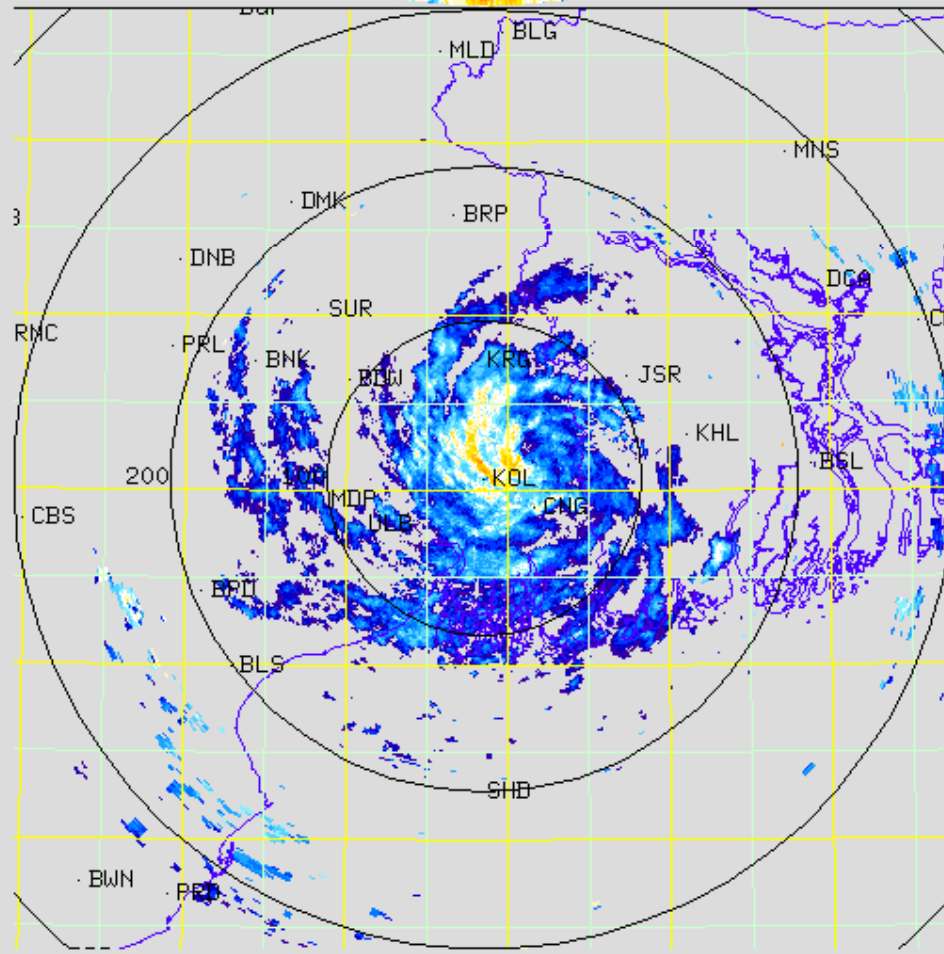
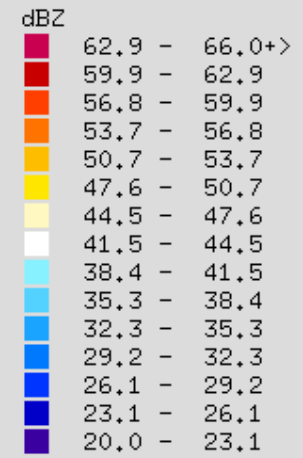
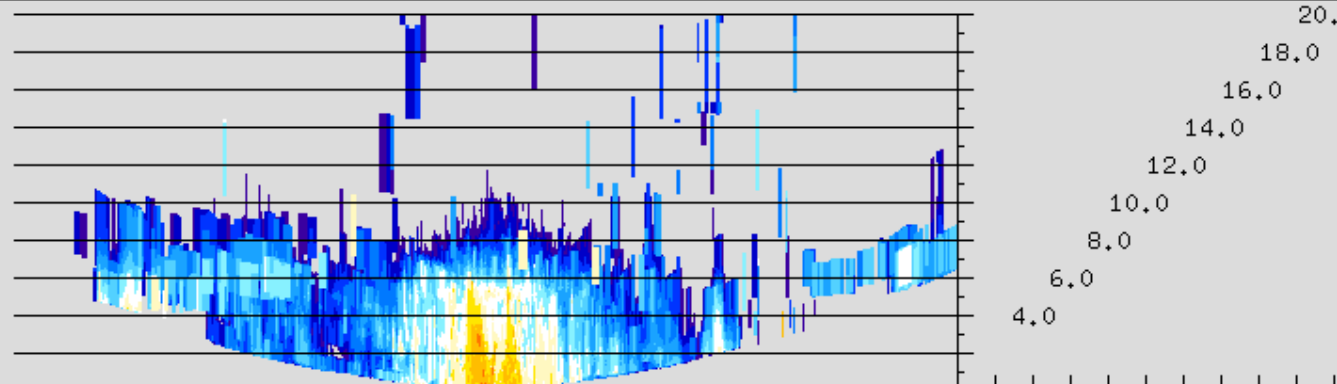
KOLKATA_India
 Scan R : 375 km
 Scan Res: 0.50 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Short
 PRF: 800 / 0
 AS : 11.90 deg/s
 TS : 64
 RS : 2
 CC : Doppler 12
 SQI: 0.35
 CSR: 20.0 dB
 LOG: 2.0 dB
 H : 20.00 km
 LS : 0.100 km

C.D.R. KOLKATA



File : 2011061704241513.caz
 Type : MAX(Z)
 Range: 300.0 km

17.06.2011
 04:24:15

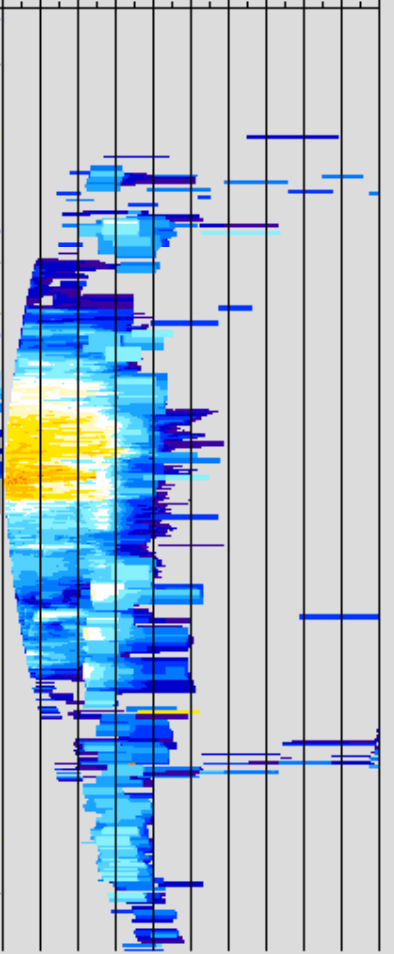
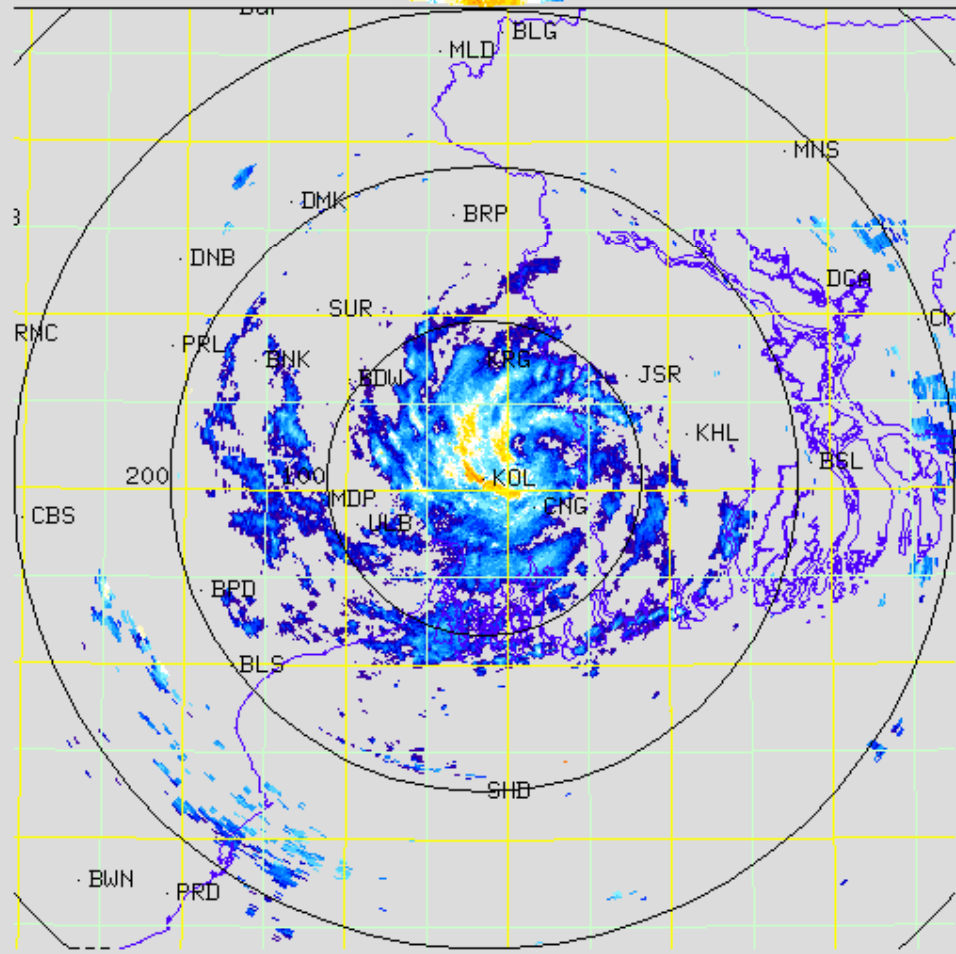
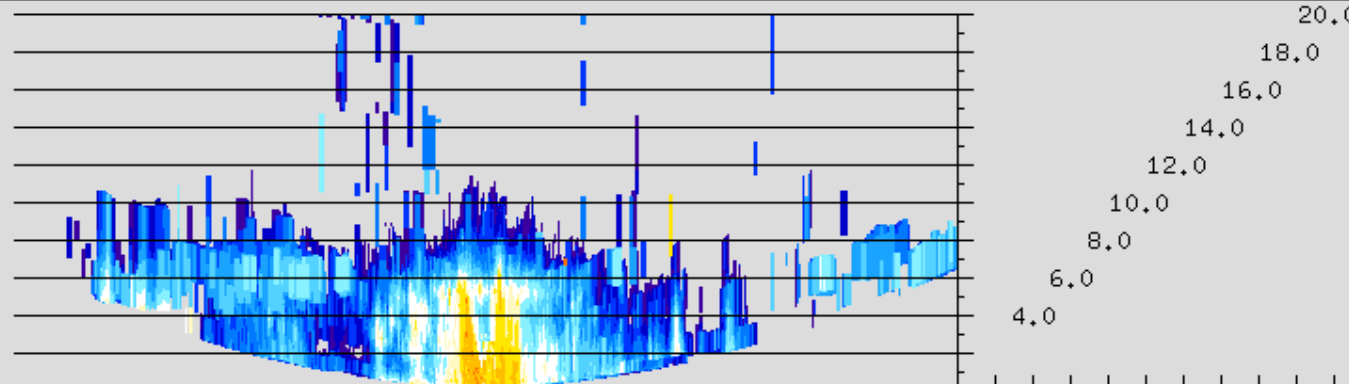


KOLKATA_India
 Scan R : 375 km
 Scan Res: 0.50 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Short
 PRF: 800 / 0
 AS : 11.90 deg/s
 TS : 64
 RS : 2
 CC : Doppler 12
 SQI: 0.35
 CSR: 20.0 dB
 LOG: 2.0 dB
 H : 20.00 km
 LS : 0.100 km
 C.D.R. KOLKATA



File : 2011061704441481.caz
 Type : MAX(Z)
 Range: 300.0 km

17.06.2011
 04:44:14



dBZ

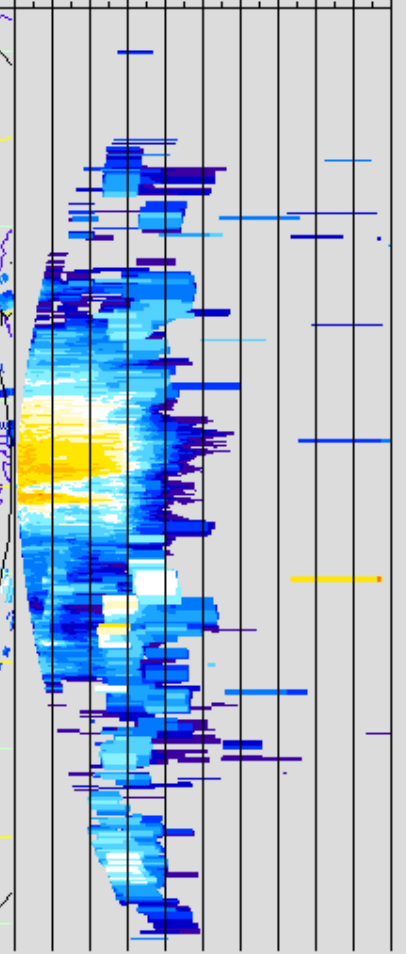
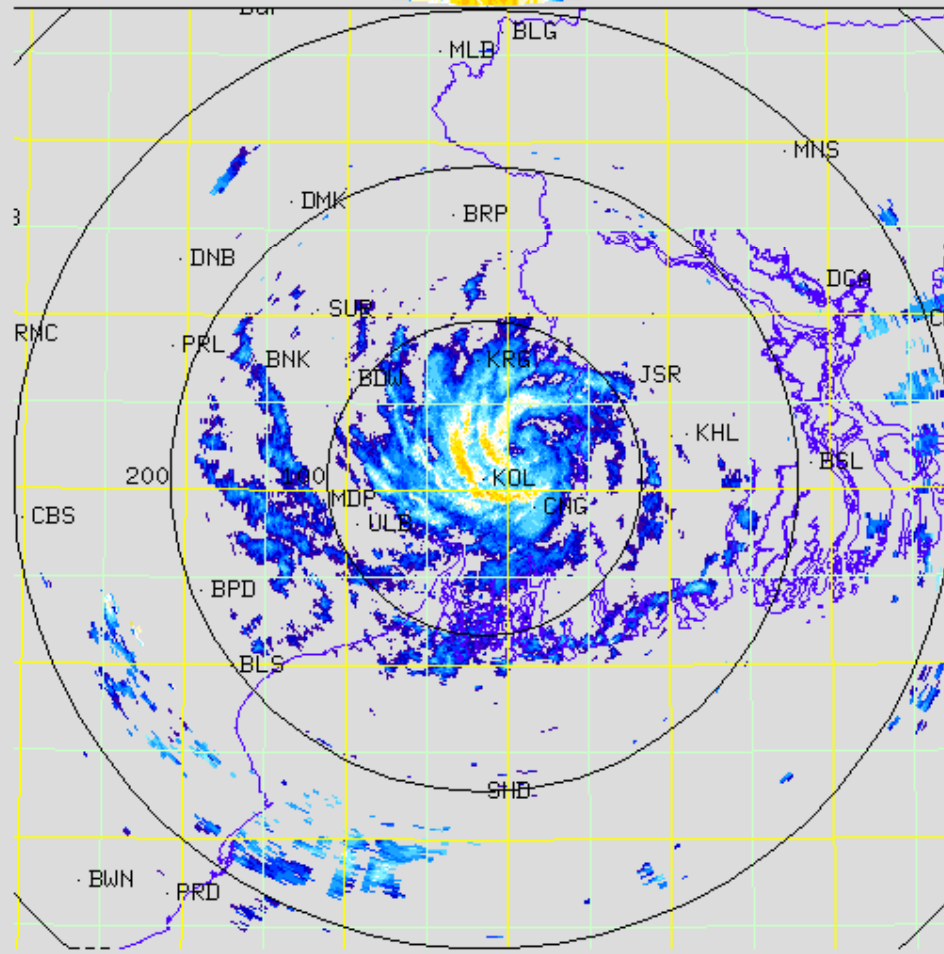
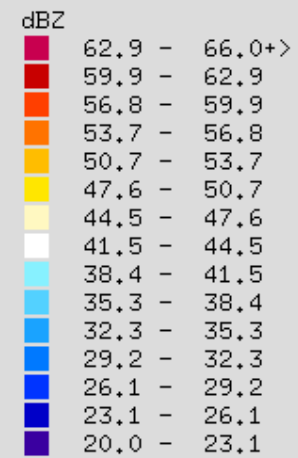
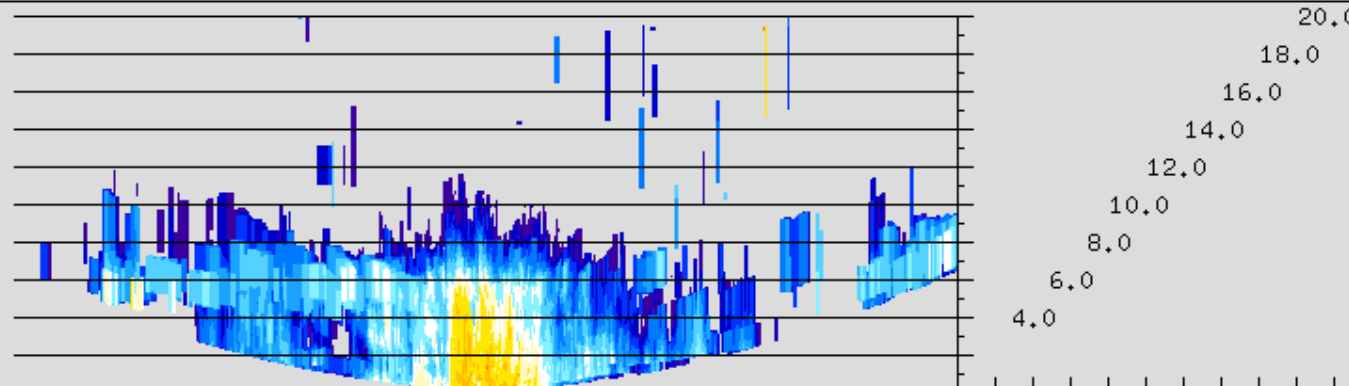
| |
|--------------|
| 62.9 - 66.0+ |
| 59.9 - 62.9 |
| 56.8 - 59.9 |
| 53.7 - 56.8 |
| 50.7 - 53.7 |
| 47.6 - 50.7 |
| 44.5 - 47.6 |
| 41.5 - 44.5 |
| 38.4 - 41.5 |
| 35.3 - 38.4 |
| 32.3 - 35.3 |
| 29.2 - 32.3 |
| 26.1 - 29.2 |
| 23.1 - 26.1 |
| 20.0 - 23.1 |

KOLKATA_India
 Scan R : 375 km
 Scan Res: 0.50 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Short
 PRF: 800 / 0
 AS : 11.90 deg/s
 TS : 64
 RS : 2
 CC : Doppler 12
 SQI: 0.35
 CSR: 20.0 dB
 LOG: 2.0 dB
 H : 20.00 km
 LS : 0.100 km
 C.D.R. KOLKATA



File : 2011061705041449.caz
 Type : MAX(Z)
 Range: 300.0 km

17.06.2011
 05:04:14

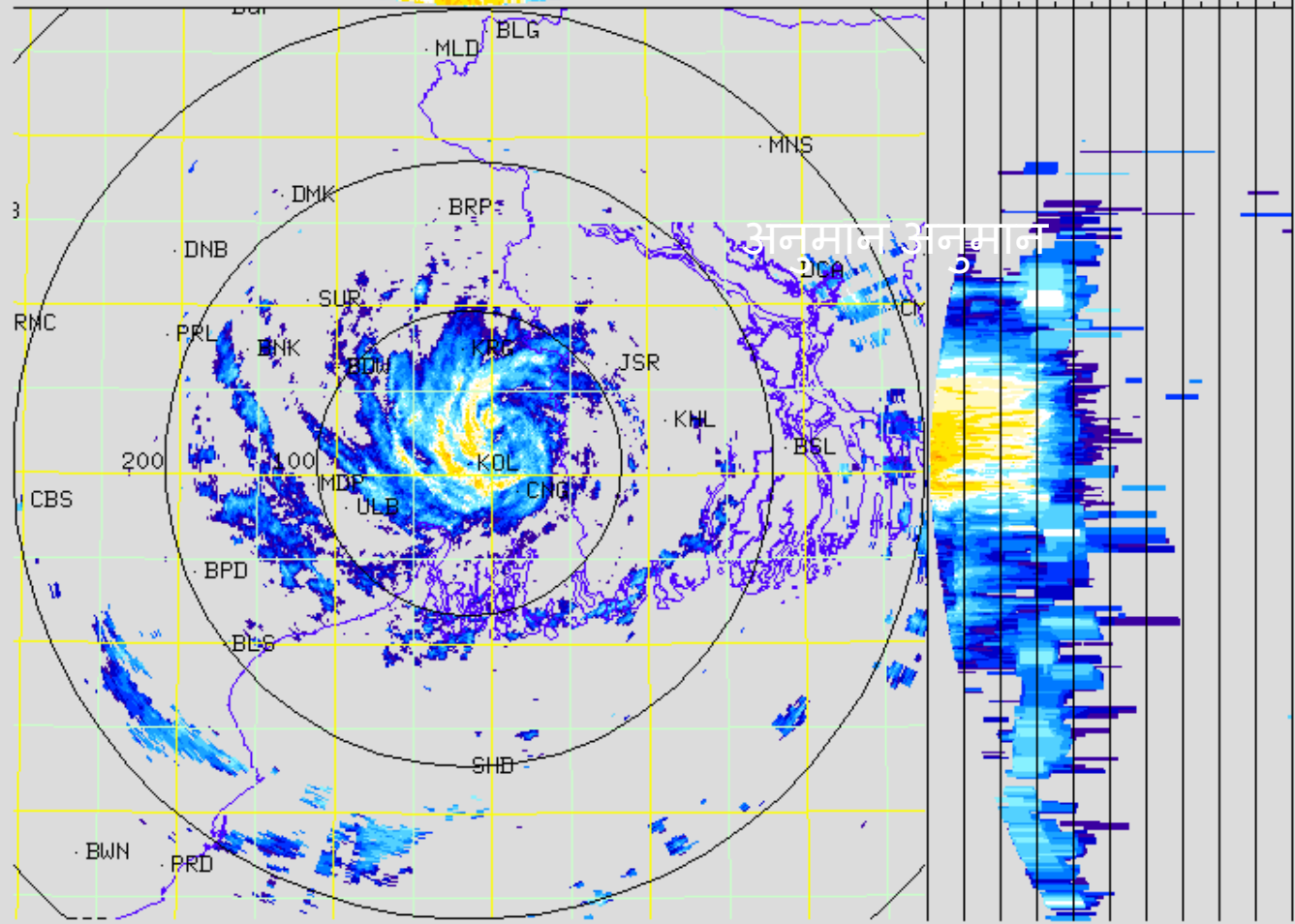
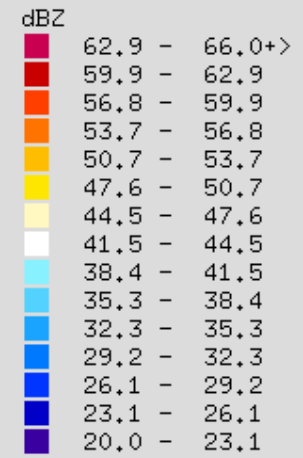
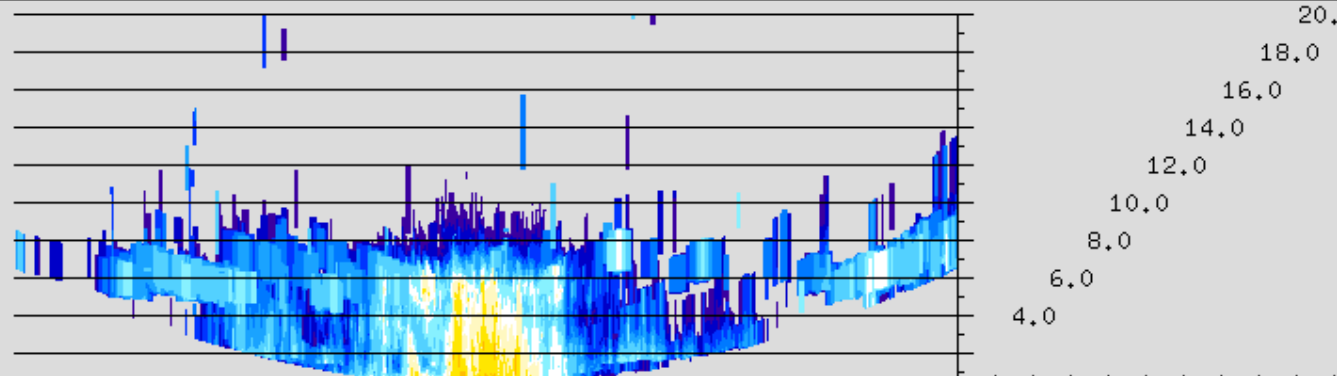


KOLKATA_India
 Scan R : 375 km
 Scan Res: 0.50 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Short
 PRF: 800 / 0
 AS : 11.90 deg/s
 TS : 64
 RS : 2
 CC : Doppler 12
 SQI: 0.35
 CSR: 20.0 dB
 LOG: 2.0 dB
 H : 20.00 km
 LS : 0.100 km
 C.D.R. KOLKATA



File : 2011061705241417.caz
 Type : MAX(Z)
 Range: 300.0 km

17.06.2011
 05:24:14

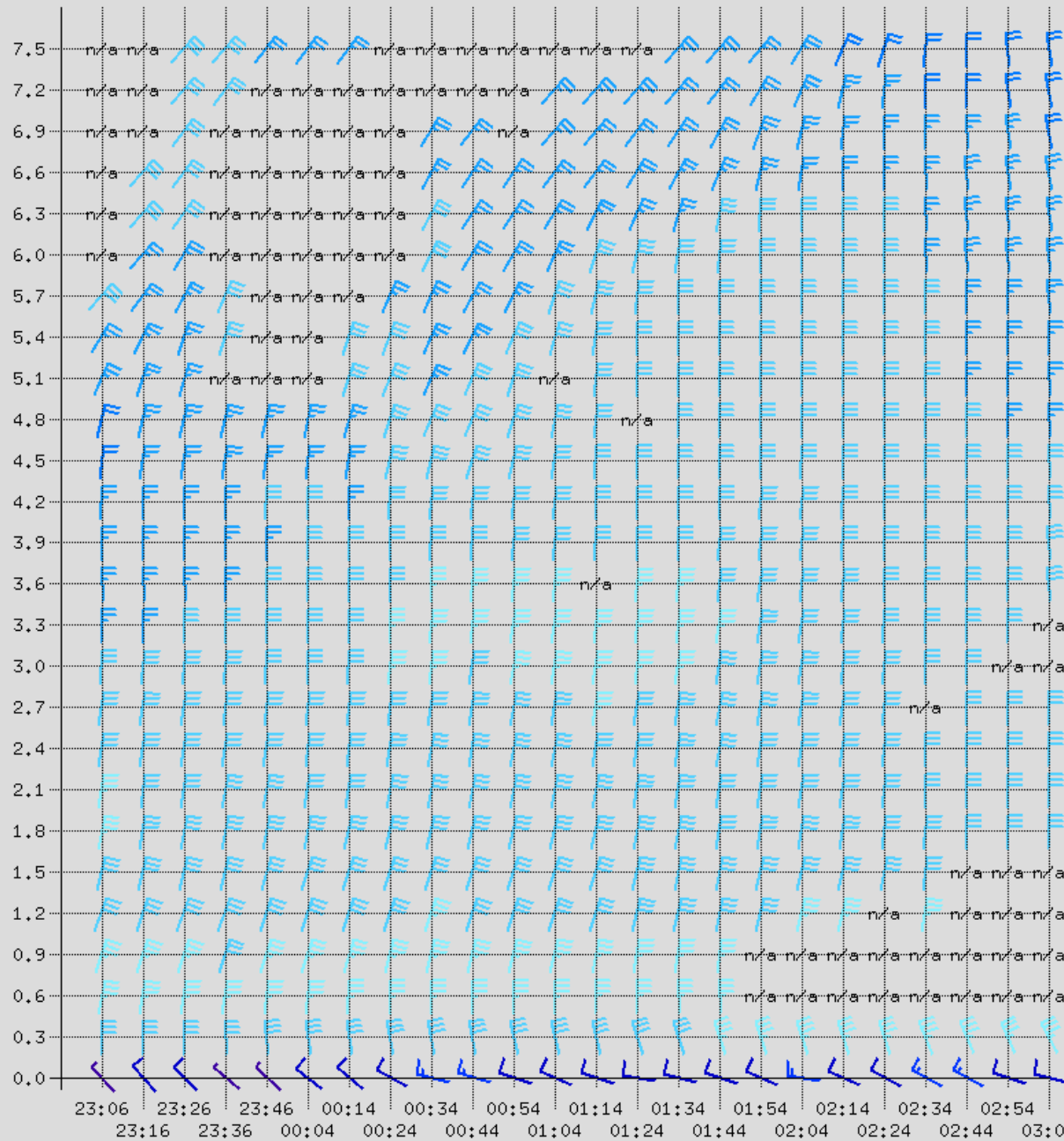


KOLKATA_India
 Scan R : 375 km
 Scan Res: 0.50 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Short
 PRF: 800 / 0
 AS : 11.90 deg/s
 TS : 64
 RS : 2
 CC : Doppler 12
 SQI: 0.35
 CSR: 20.0 dB
 LOG: 2.0 dB
 H : 20.00 km
 LS : 0.100 km
 C.D.R. KOLKATA

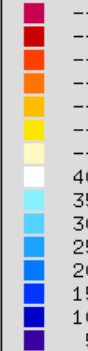


File : 2011061703041546.vp2
Type : VVP_2
Range: 50.0 km

17.06.2011
03:04:15



knots



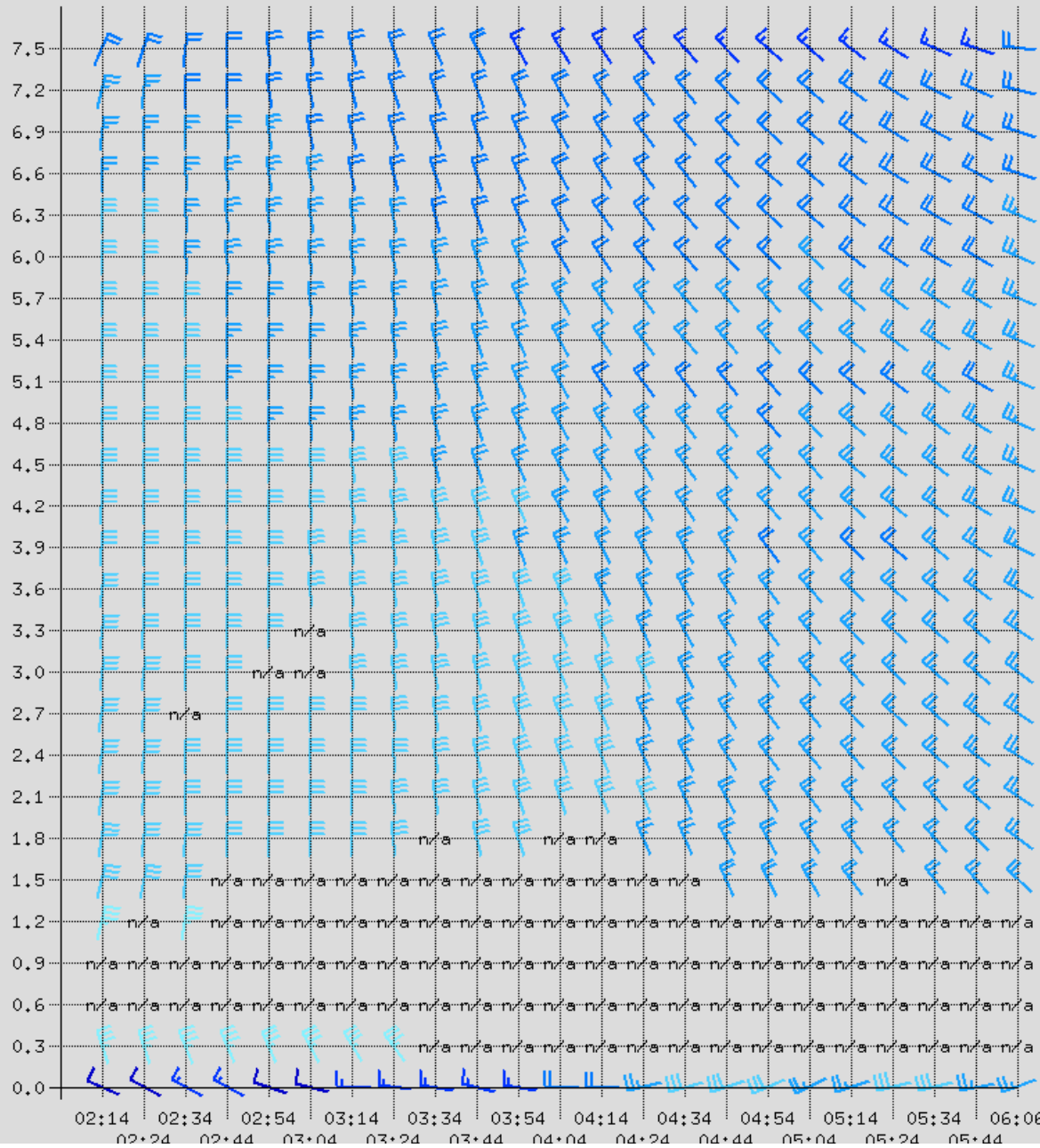
KOLKATA_India
R : 50 km
PW : Short
PRF : 800 / 0
AS : 11.90 deg/s
TS : 64
RS : 2
CC : Doppler 12
SQR : 0.35
CSR : 20.0 dB
LOG : 2.0 dB
MAXH : 7.500 km
MINH : 0.000 km
LS : 0.300 km

C.D.R. KOLKATA

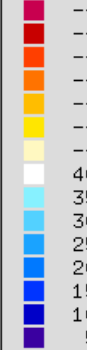


File : 2011061706064143.vp2
Type : VVP_2
Range : 50.0 km

17.06.2011
06:06:41



knots



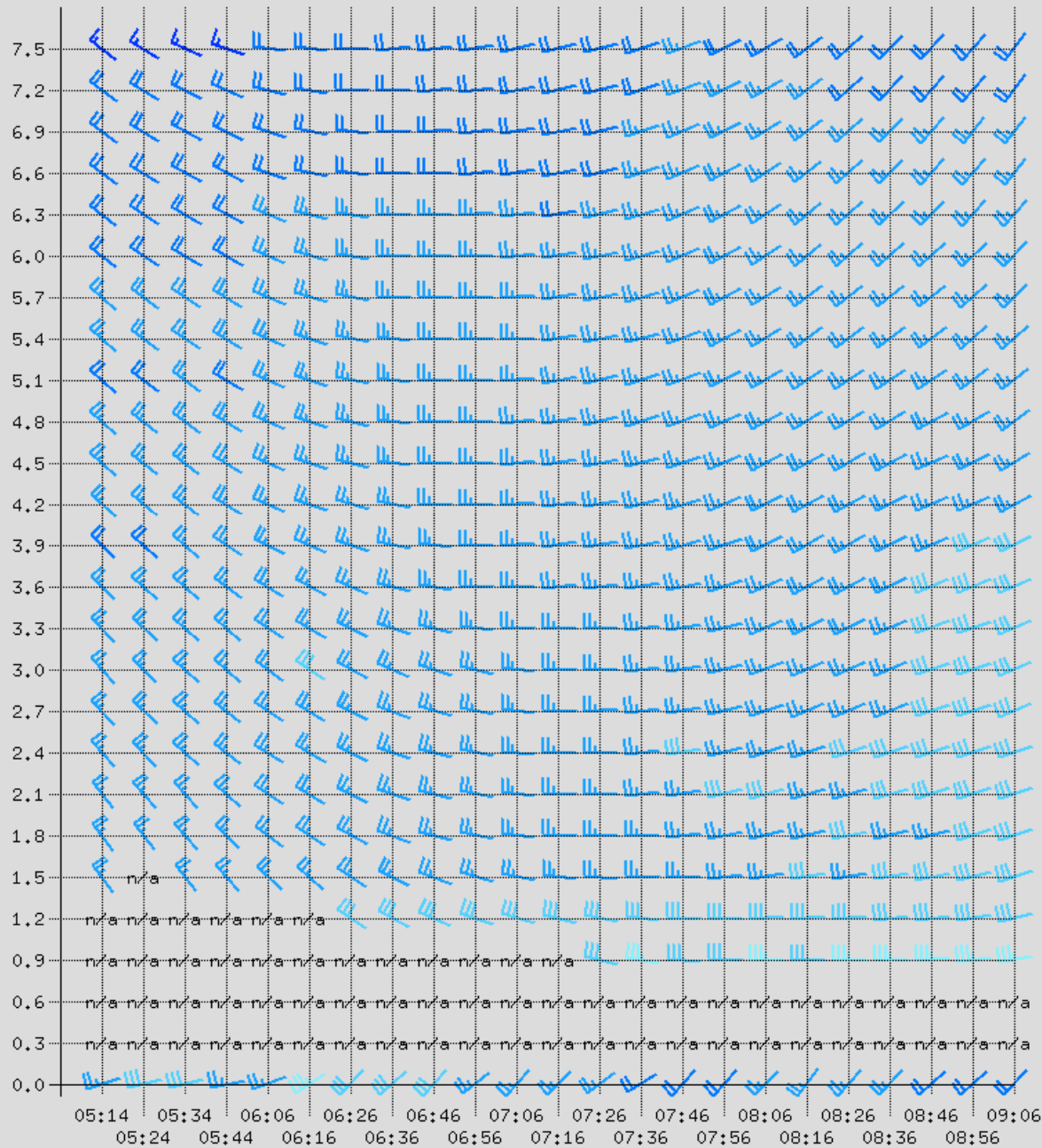
KOLKATA_India
R : 50 km
PW : Short
PRF : 800 / 0
AS : 11.90 deg/s
TS : 64
RS : 2
CC : Doppler 12
SQI : 0.35
CSR : 20.0 dB
LOG : 2.0 dB
MAXH : 7.500 km
MINH : 0.000 km
LS : 0.300 km

C.D.R. KOLKATA

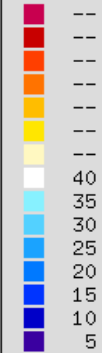


File : 2011061709064440.vp2
Type : VVP_2
Range: 50.0 km

17.06.2011
09:06:44



knots



KOLKATA_India
R : 50 km
PW : Short
PRF : 800 / 0
AS : 11.90 deg/s
TS : 64
RS : 2
CC : Doppler 12
SQI : 0.35
CSR : 20.0 dB
LOG : 2.0 dB
MAXH : 7.500 km
MINH : 0.000 km
LS : 0.300 km

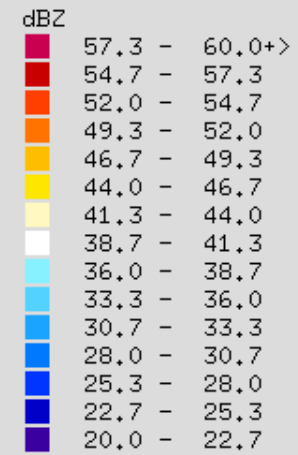
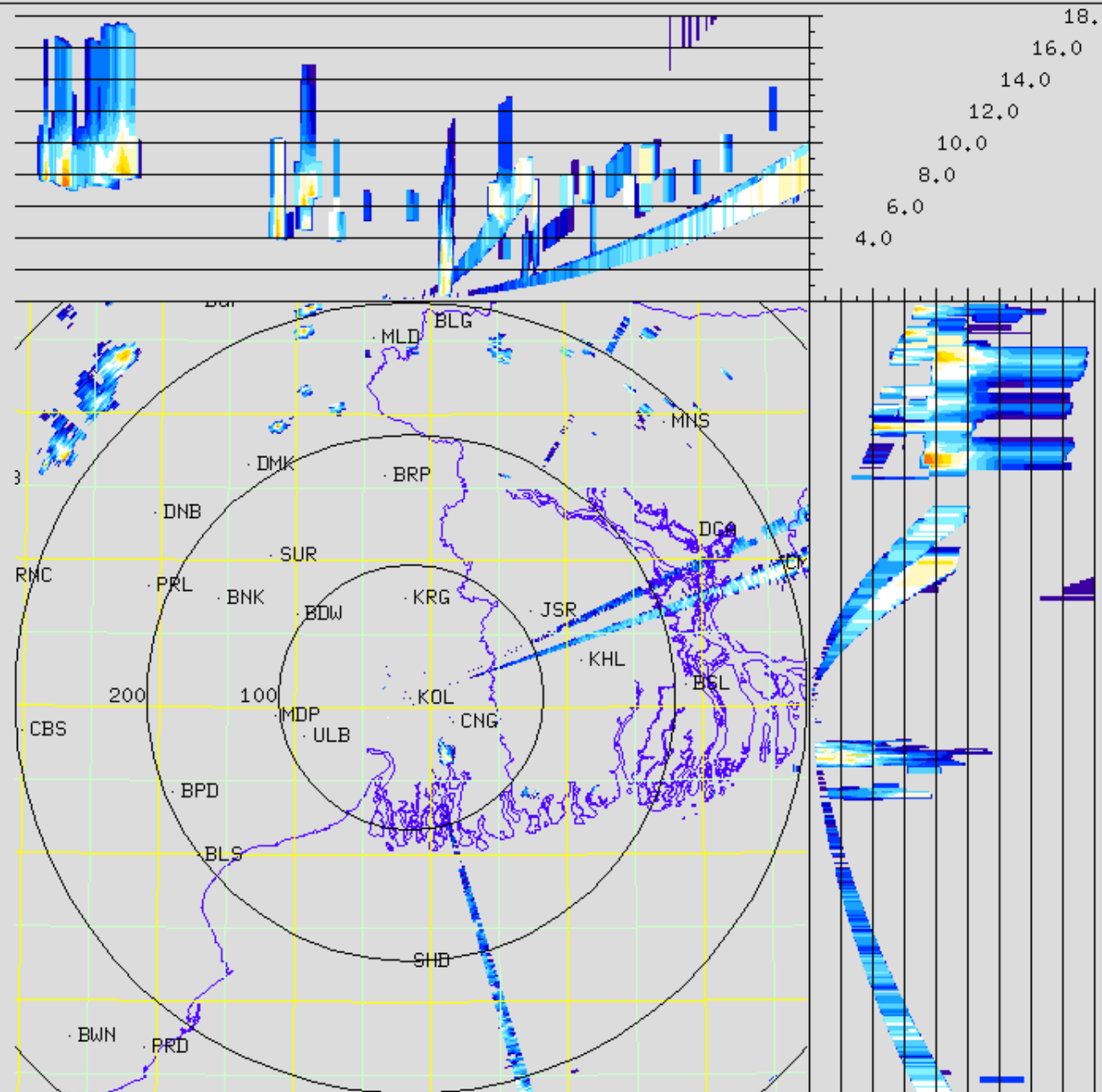
C.D.R. KOLKATA



**डॉप्लर रेडार कोलकाता द्वारा
07 मई 2010
को अंकित किये गये
प्रचंड मेघ गर्जन तूफान
(Severe Thunderstorm)
के चित्र**

File : 2010050705534175.caz
Type : MAX(Z)
Range : 300.0 km

07.05.2010
05:53:41

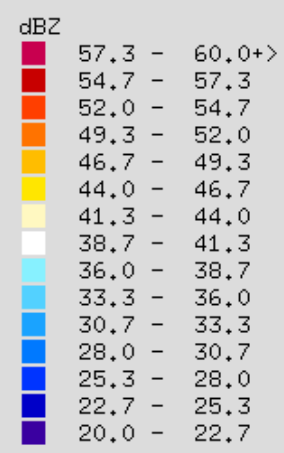
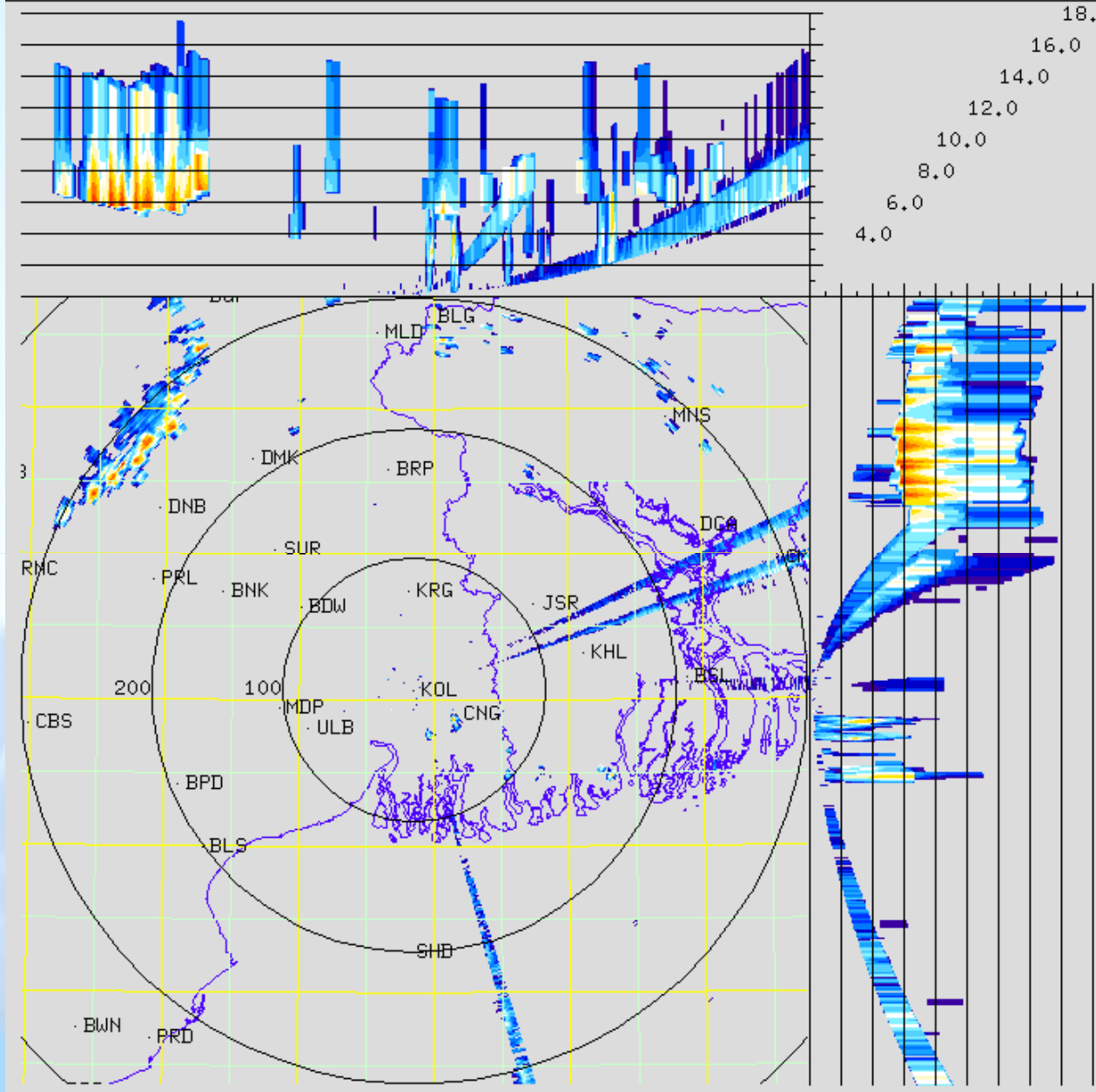


KOLKATA_India
Scan R : 500 km
Scan Res: 1.00 km
Disp R : 300 km
Disp Res: 1,200 km
PW : Long
PRF: 300 / 0
AS : 12.00 deg/s
TS : 25
RS : 1
CC : Doppler 15
SQR: 0.35
CSR: 10.0 dB
LOG: 2.0 dB
H : 18.00 km
LS : 0.100 km
C.D.R. KOLKATA



File : 2010050706324120.caz
 Type : MAX(Z)
 Range : 300,0 km

07.05.2010
 06:32:41



KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Long
 PRF: 300 / 0
 AS : 12.00 deg/s
 TS : 25
 RS : 1
 CC : Doppler 15
 SQR: 0.35
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km
 C.D.R. KOLKATA

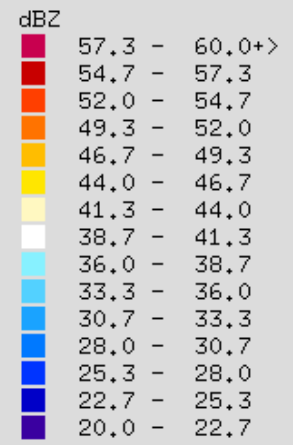
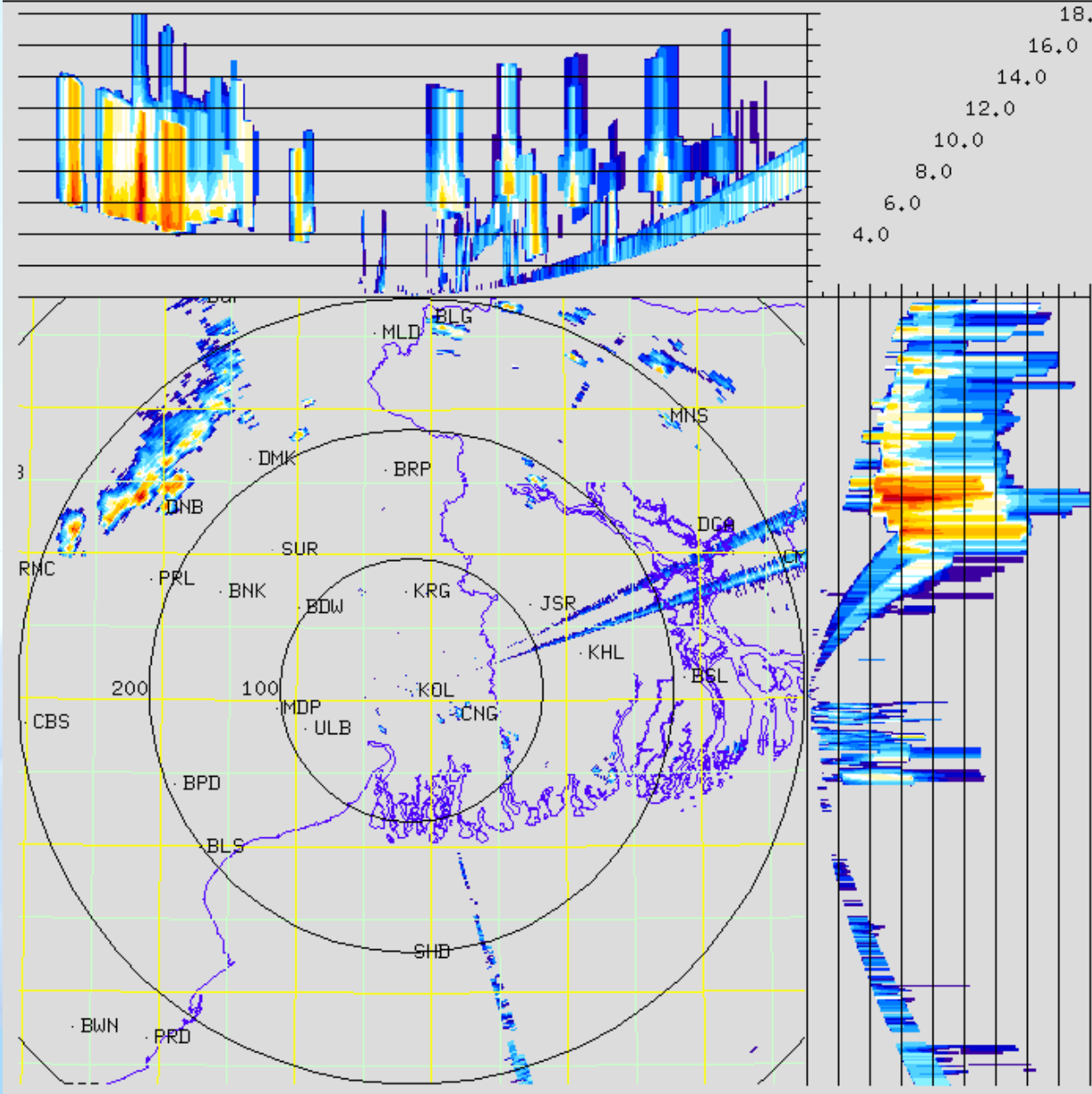


भारत मौसम विज्ञान विभाग
 INDIA METEOROLOGICAL DEPARTMENT



File : 2010050706584150.caz
 Type : MAX(Z)
 Range: 300,0 km

07.05.2010
 06:58:41



KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Long
 PRF: 300 / 0
 AS : 12.00 deg/s
 TS : 25
 RS : 1
 CC : Doppler 15
 SQI: 0.35
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km
 C.D.R. KOLKATA

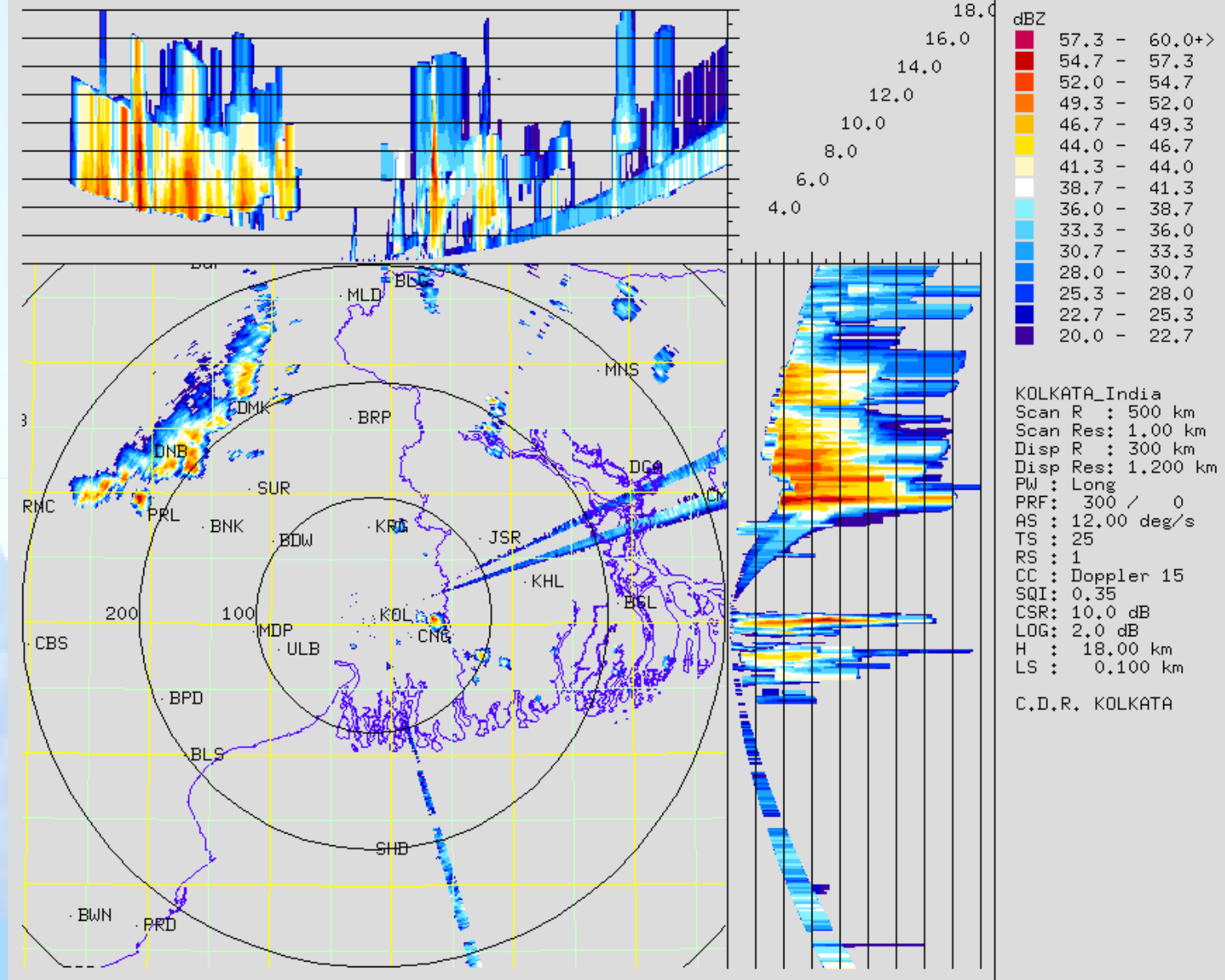


भारत मौसम विज्ञान विभाग
 INDIA METEOROLOGICAL DEPARTMENT



File : 2010050707374195.caz
 Type : MAX(Z)
 Range: 300.0 km

07.05.2010
 07:37:41



भारत मौसम विज्ञान विभाग
 INDIA METEOROLOGICAL DEPARTMENT



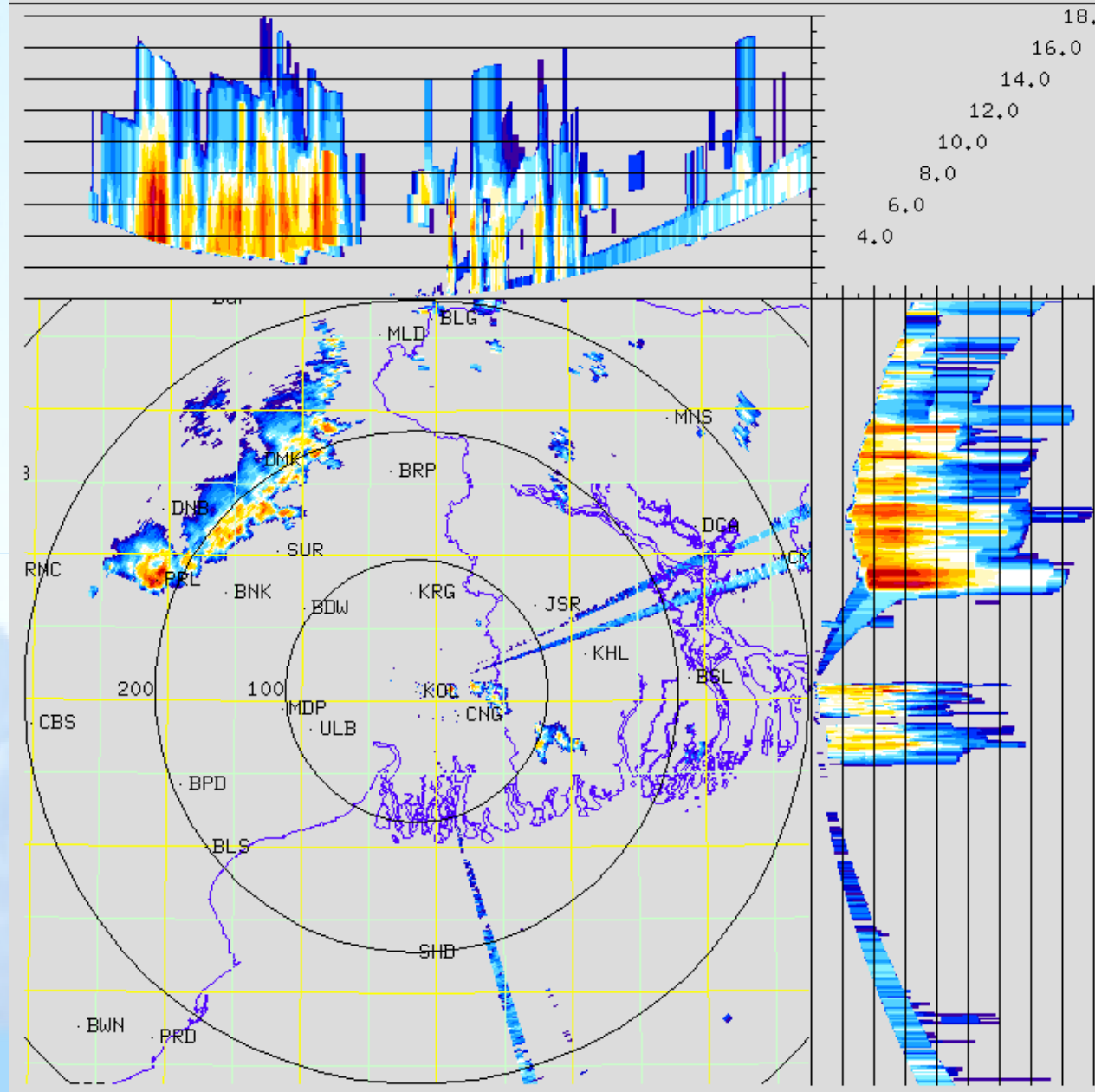
File : 2010050708034025.caz

Type : MAX(Z)

Range: 300.0 km

07.05.2010

08:03:40

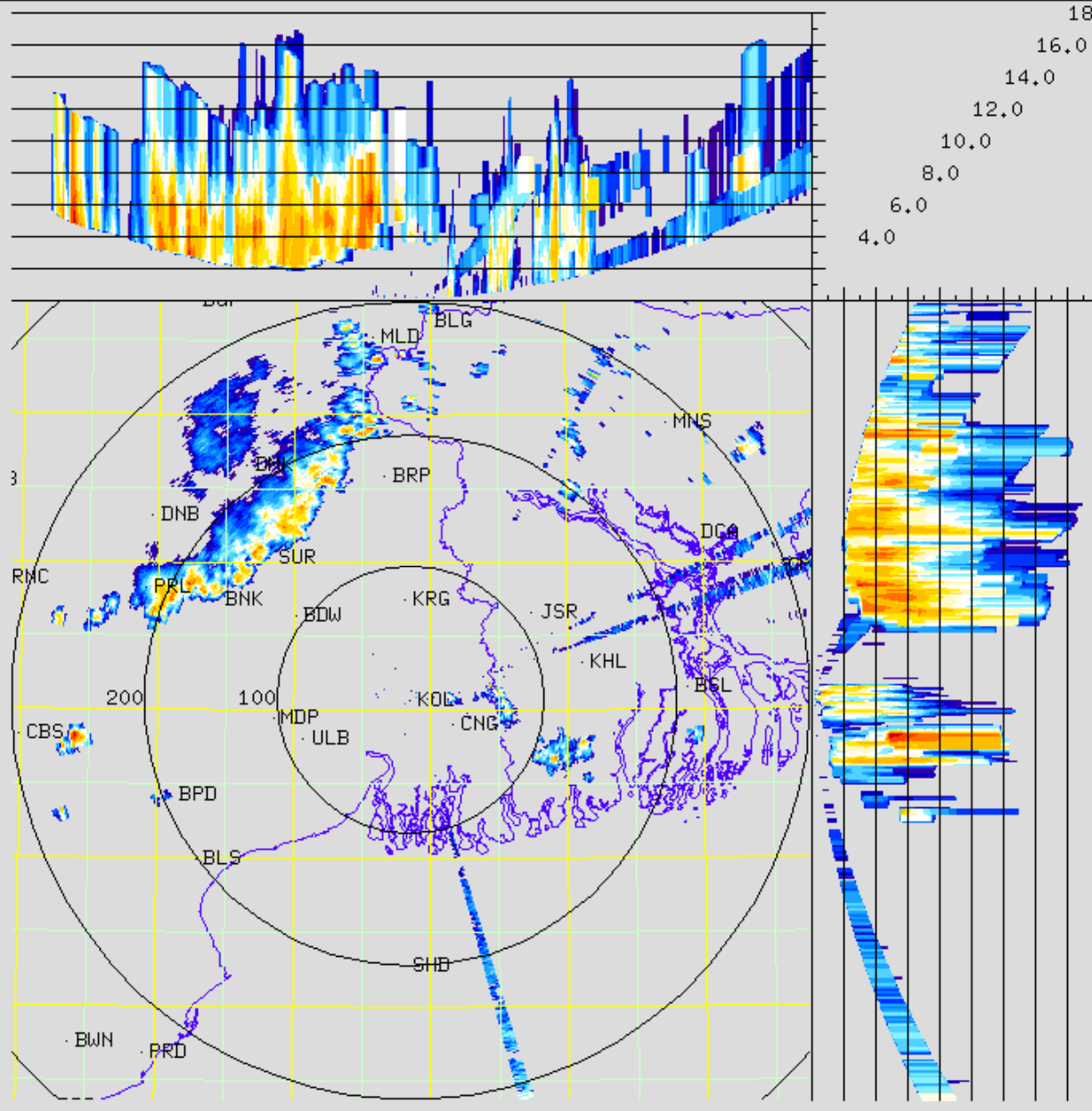


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2010050708294055.caz
 Type : MAX(Z)
 Range : 300.0 km

07.05.2010
 08:29:40



dBZ

| |
|--------------|
| 57.3 - 60.0+ |
| 54.7 - 57.3 |
| 52.0 - 54.7 |
| 49.3 - 52.0 |
| 46.7 - 49.3 |
| 44.0 - 46.7 |
| 41.3 - 44.0 |
| 38.7 - 41.3 |
| 36.0 - 38.7 |
| 33.3 - 36.0 |
| 30.7 - 33.3 |
| 28.0 - 30.7 |
| 25.3 - 28.0 |
| 22.7 - 25.3 |
| 20.0 - 22.7 |

KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Long
 PRF: 300 / 0
 AS : 12.00 deg/s
 TS : 25
 RS : 1
 CC : Doppler 15
 SQI: 0.35
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km
 C.D.R. KOLKATA

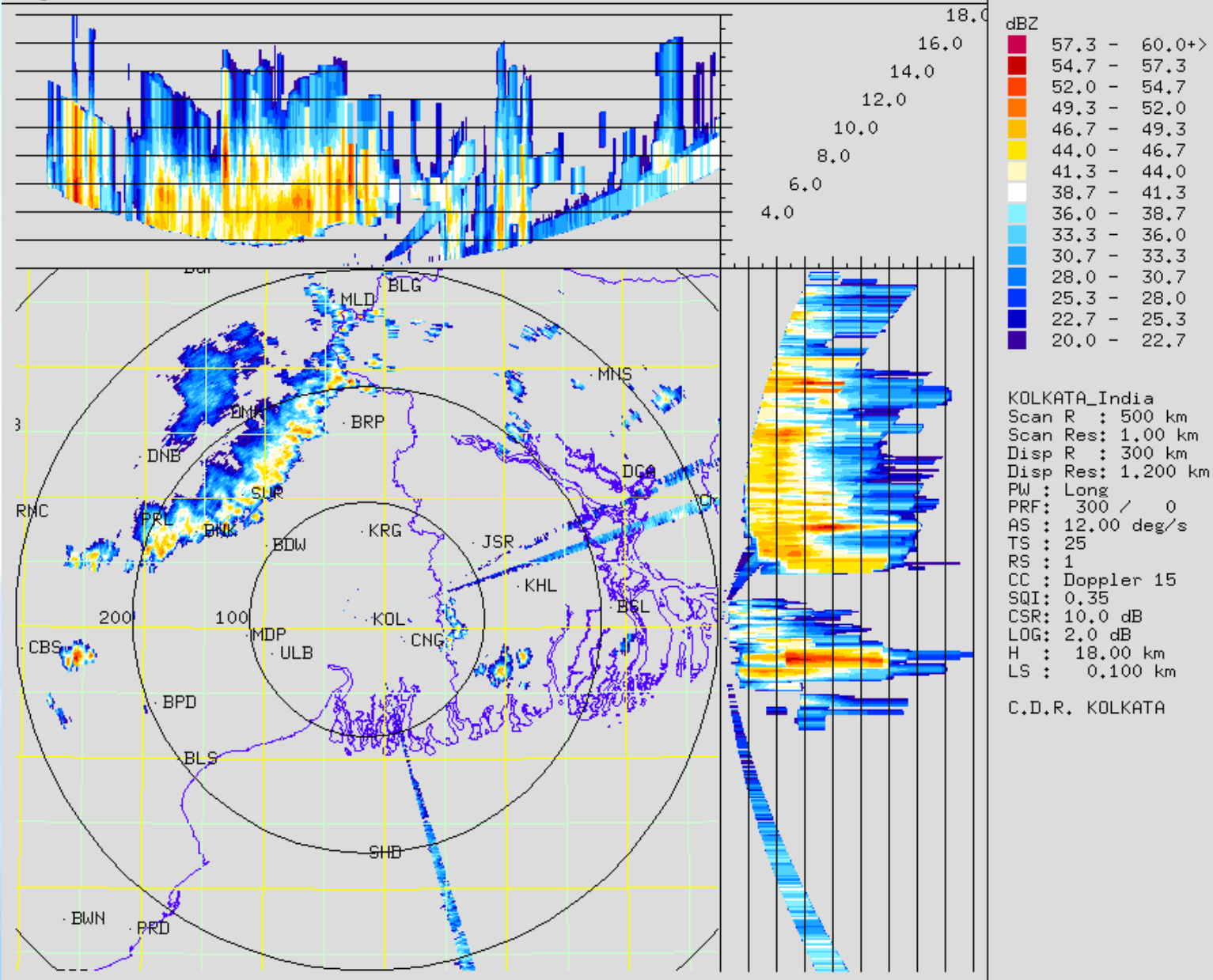


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2010050708424070.caz
Type : MAX(Z)
Range: 300.0 km

07.05.2010
08:42:40

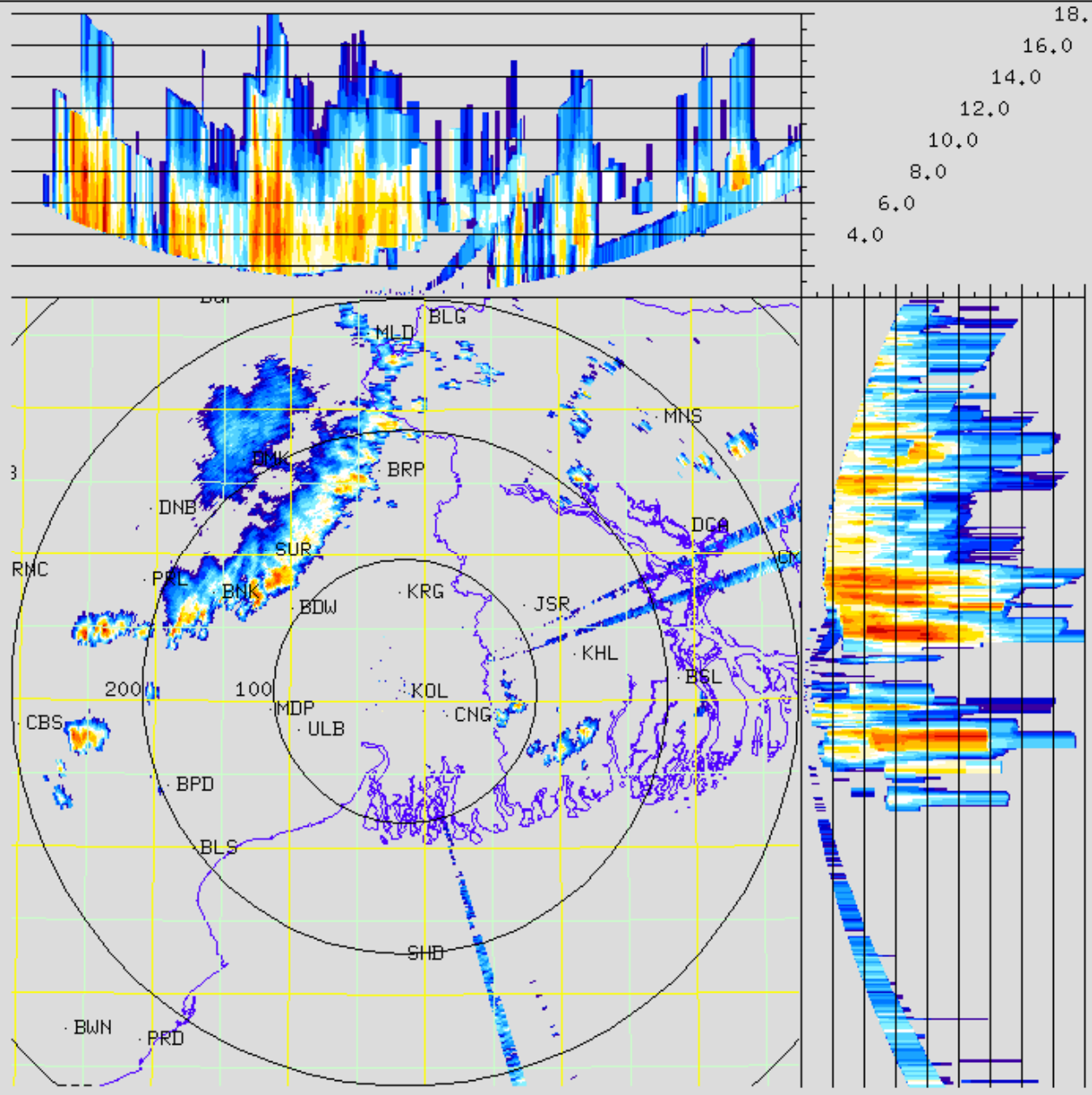


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2010050708554185.caz
 Type : MAX(Z)
 Range : 300,0 km

07.05.2010
 08:55:41



dBZ

| |
|--------------|
| 57.3 - 60.0+ |
| 54.7 - 57.3 |
| 52.0 - 54.7 |
| 49.3 - 52.0 |
| 46.7 - 49.3 |
| 44.0 - 46.7 |
| 41.3 - 44.0 |
| 38.7 - 41.3 |
| 36.0 - 38.7 |
| 33.3 - 36.0 |
| 30.7 - 33.3 |
| 28.0 - 30.7 |
| 25.3 - 28.0 |
| 22.7 - 25.3 |
| 20.0 - 22.7 |

KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Long
 PRF: 300 / 0
 AS : 12.00 deg/s
 TS : 25
 RS : 1
 CC : Doppler 15
 SQI: 0.35
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

C.D.R. KOLKATA

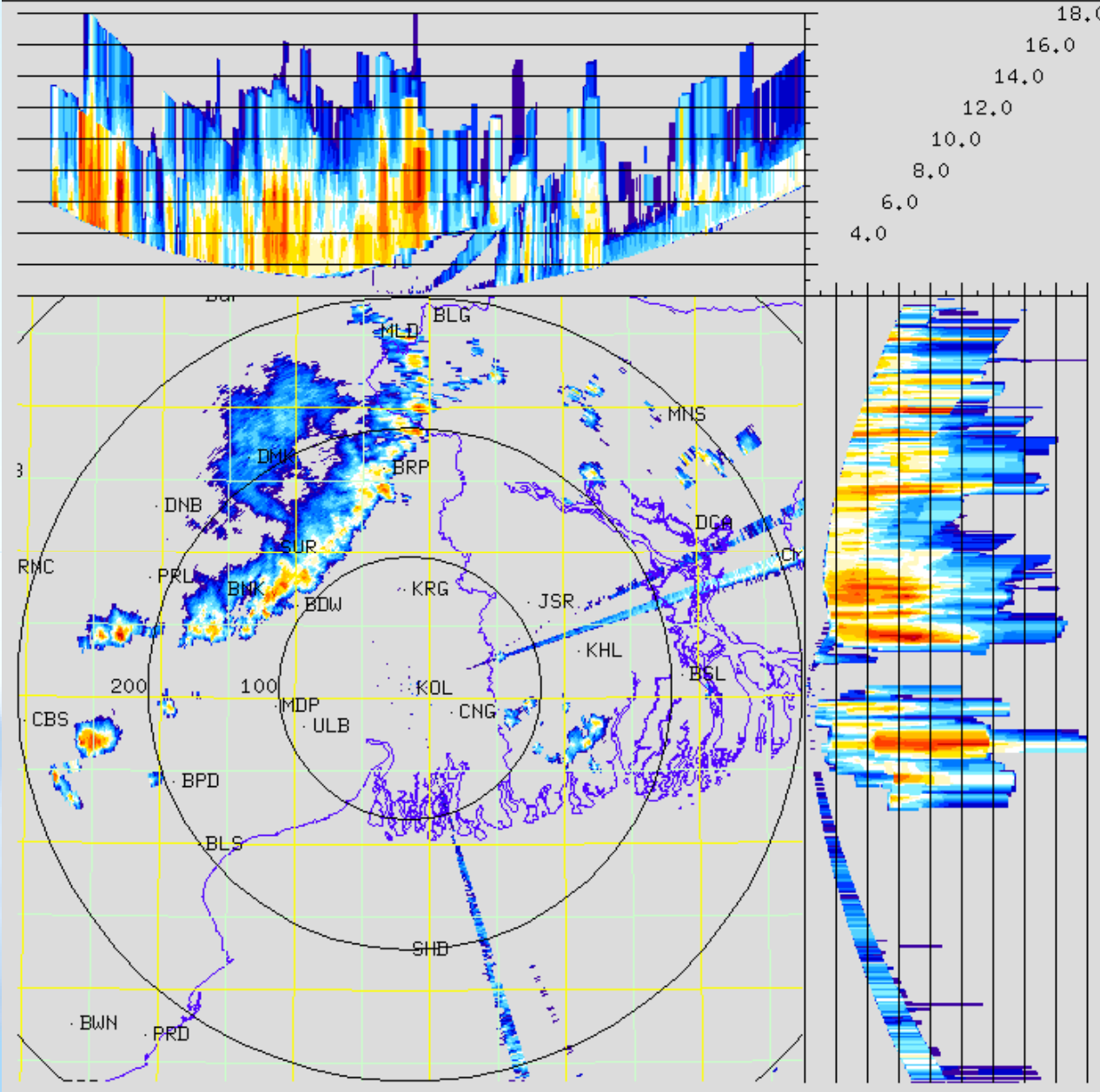


भारत मौसम विज्ञान विभाग
 INDIA METEOROLOGICAL DEPARTMENT



File : 2010050709084100.caz
 Type : MAX(Z)
 Range: 300.0 km

07.05.2010
 09:08:41



18.0
 16.0
 14.0
 12.0
 10.0
 8.0
 6.0
 4.0

dBZ

| |
|--------------|
| 57.3 - 60.0+ |
| 54.7 - 57.3 |
| 52.0 - 54.7 |
| 49.3 - 52.0 |
| 46.7 - 49.3 |
| 44.0 - 46.7 |
| 41.3 - 44.0 |
| 38.7 - 41.3 |
| 36.0 - 38.7 |
| 33.3 - 36.0 |
| 30.7 - 33.3 |
| 28.0 - 30.7 |
| 25.3 - 28.0 |
| 22.7 - 25.3 |
| 20.0 - 22.7 |

KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Long
 PRF: 300 / 0
 AS : 12.00 deg/s
 TS : 25
 RS : 1
 CC : Doppler 15
 SQI: 0.35
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km
 C.D.R. KOLKATA

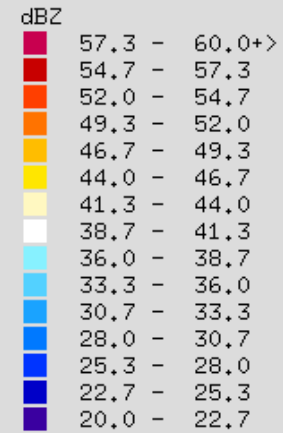
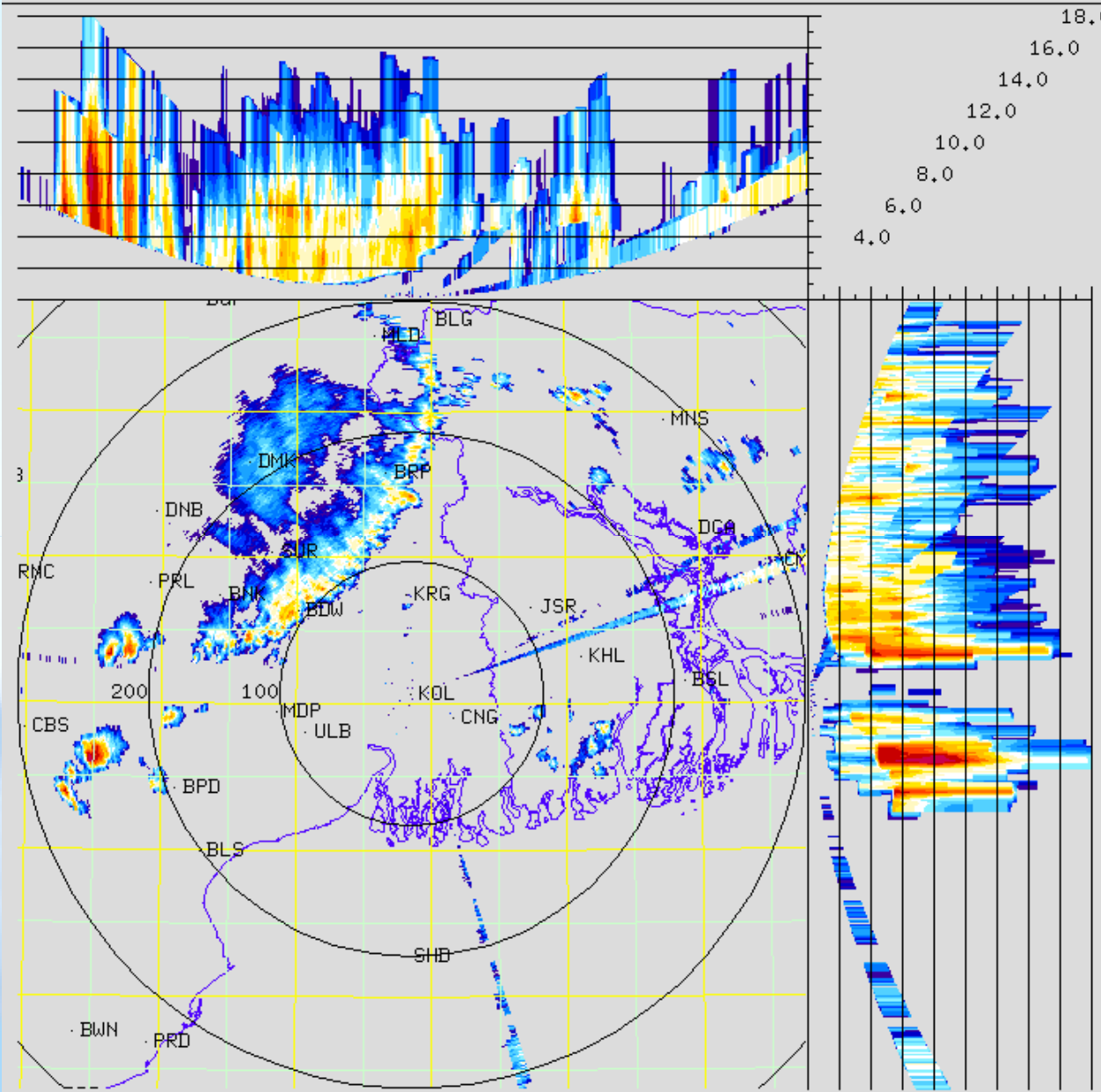


भारत मौसम विज्ञान विभाग
 INDIA METEOROLOGICAL DEPARTMENT



File : 2010050709214015.caz
 Type : MAX(Z)
 Range: 300.0 km

07.05.2010
 09:21:40



KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Long
 PRF: 300 / 0
 AS : 12.00 deg/s
 TS : 25
 RS : 1
 CC : Doppler 15
 SQI: 0.35
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

C.D.R. KOLKATA

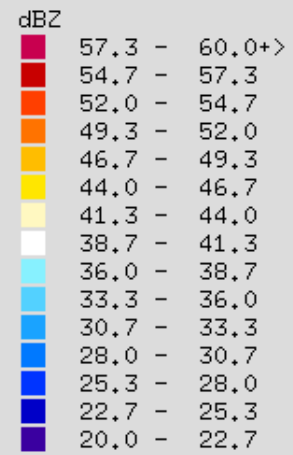
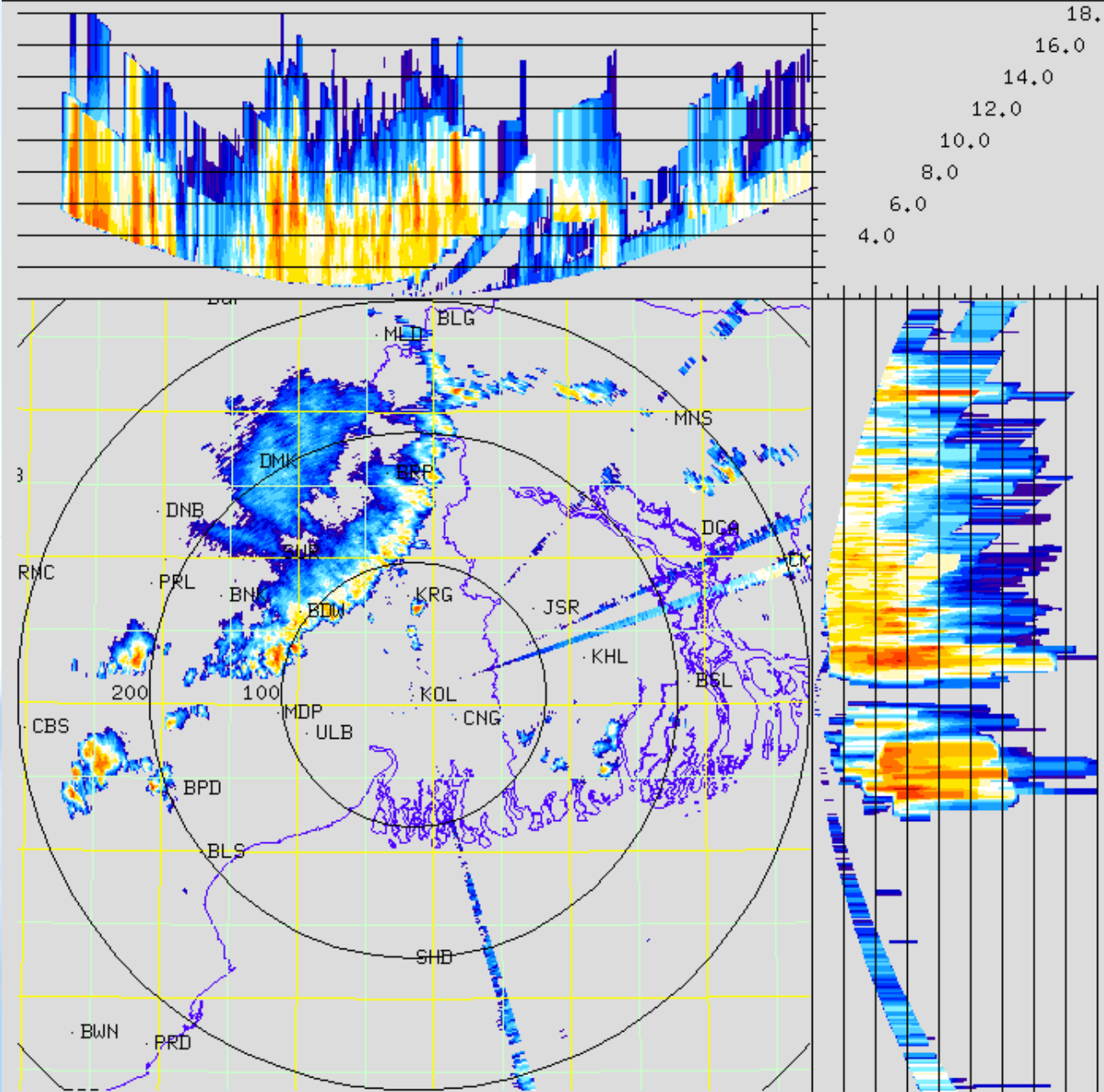


भारत मासम विज्ञान विभाग
 INDIA METEOROLOGICAL DEPARTMENT



File : 2010050709344130.caz
Type : MAX(Z)
Range: 300.0 km

07.05.2010
09:34:41



KOLKATA_India
Scan R : 500 km
Scan Res: 1.00 km
Disp R : 300 km
Disp Res: 1.200 km
PW : Long
PRF: 300 / 0
AS : 12.00 deg/s
TS : 25
RS : 1
CC : Doppler 15
SQR: 0.35
CSR: 10.0 dB
LOG: 2.0 dB
H : 18.00 km
LS : 0.100 km

C.D.R. KOLKATA

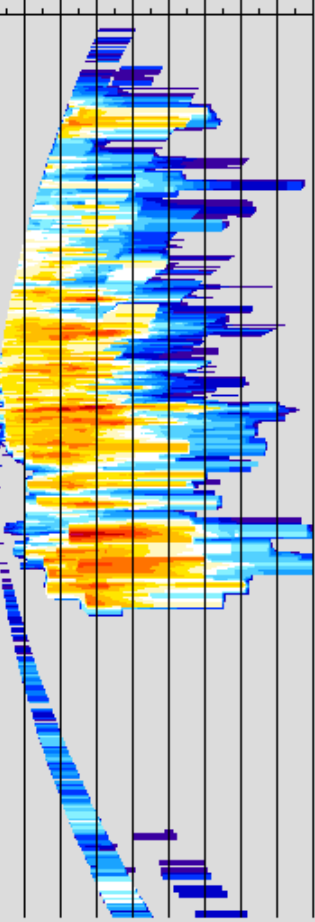
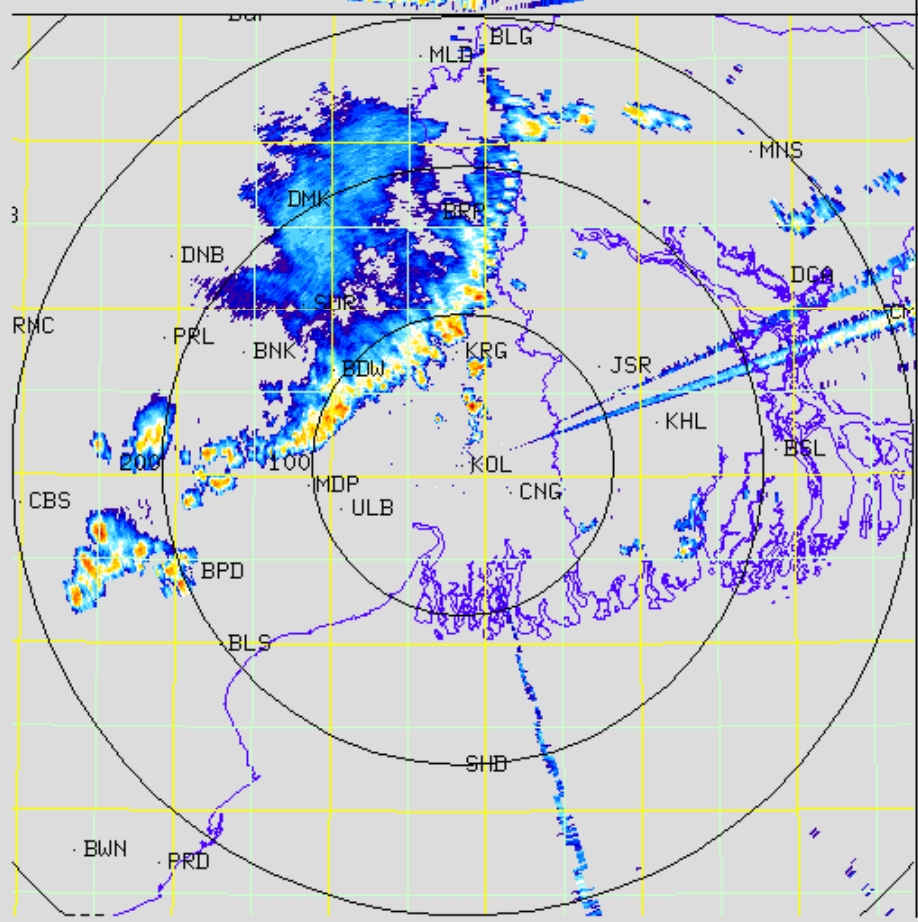
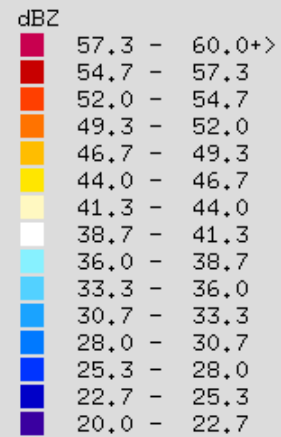
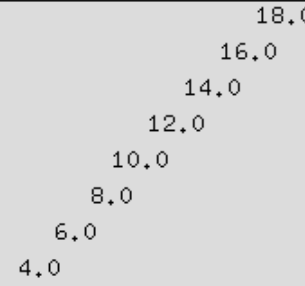
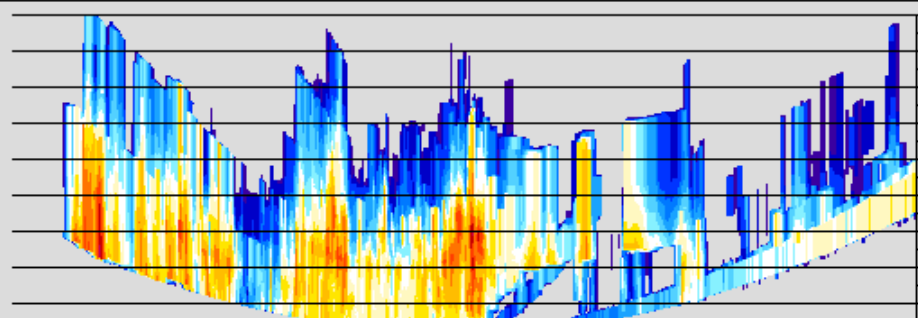


INDIA METEOROLOGICAL DEPARTMENT



File : 2010050709474045.caz
 Type : MAX(Z)
 Range : 300.0 km

07.05.2010
 09:47:40



KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Long
 PRF: 300 / 0
 AS : 12.00 deg/s
 TS : 25
 RS : 1
 CC : Doppler 15
 SQR: 0.35
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km
 C.D.R. KOLKATA

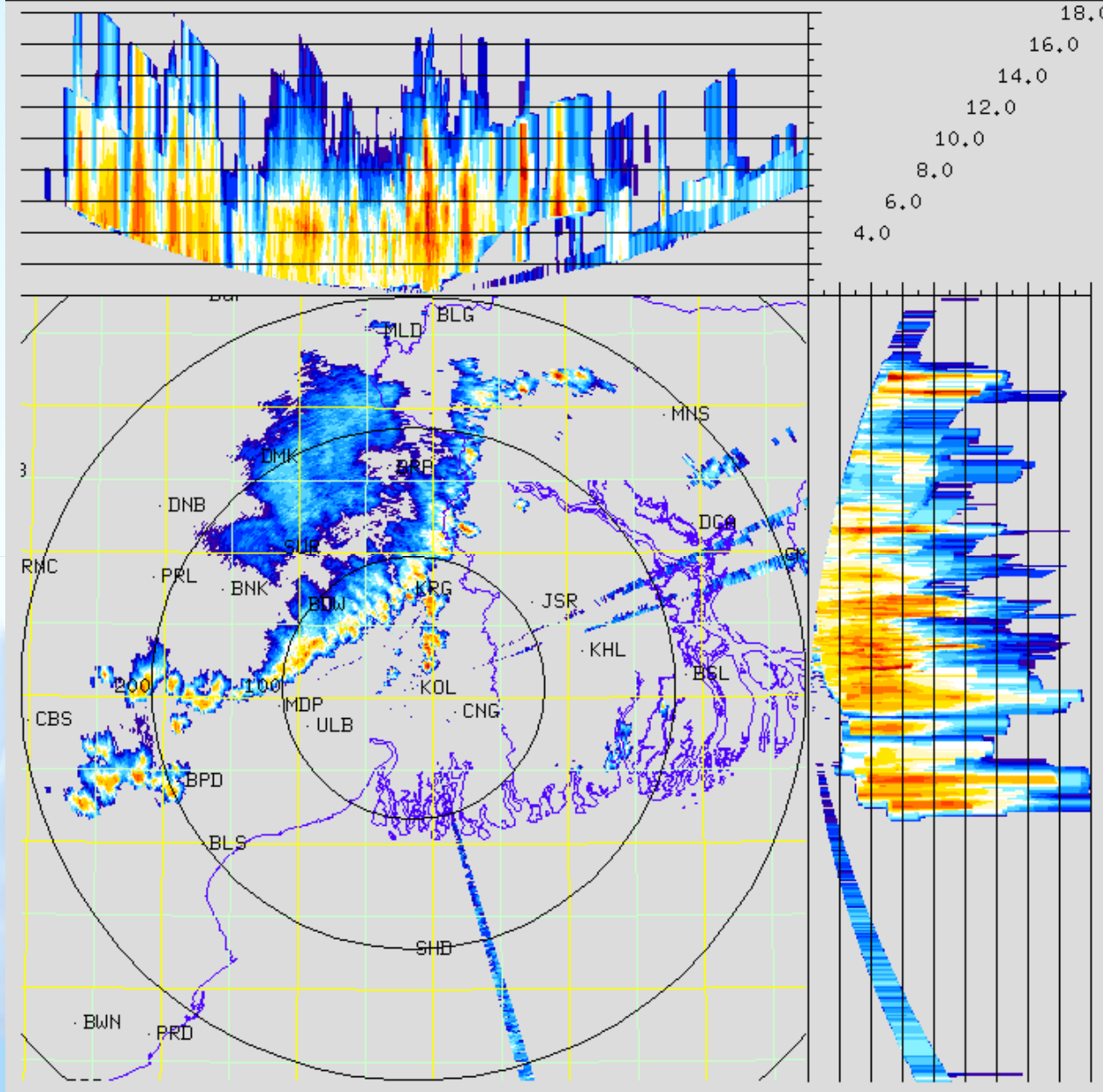


भारत मौसम विज्ञान विभाग
 INDIA METEOROLOGICAL DEPARTMENT



File : 2010050710004060.caz
 Type : MAX(Z)
 Range : 300.0 km

07.05.2010
 10:00:40



dBZ

| |
|--------------|
| 57.3 - 60.0+ |
| 54.7 - 57.3 |
| 52.0 - 54.7 |
| 49.3 - 52.0 |
| 46.7 - 49.3 |
| 44.0 - 46.7 |
| 41.3 - 44.0 |
| 38.7 - 41.3 |
| 36.0 - 38.7 |
| 33.3 - 36.0 |
| 30.7 - 33.3 |
| 28.0 - 30.7 |
| 25.3 - 28.0 |
| 22.7 - 25.3 |
| 20.0 - 22.7 |

KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Long
 PRF: 300 / 0
 AS : 12.00 deg/s
 TS : 25
 RS : 1
 CC : Doppler 15
 SQI: 0.35
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km
 C.D.R. KOLKATA

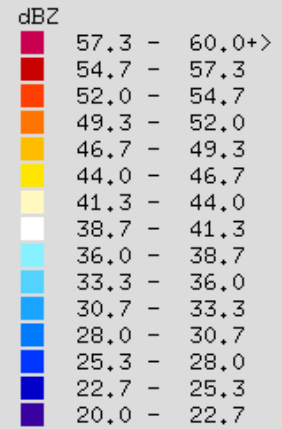
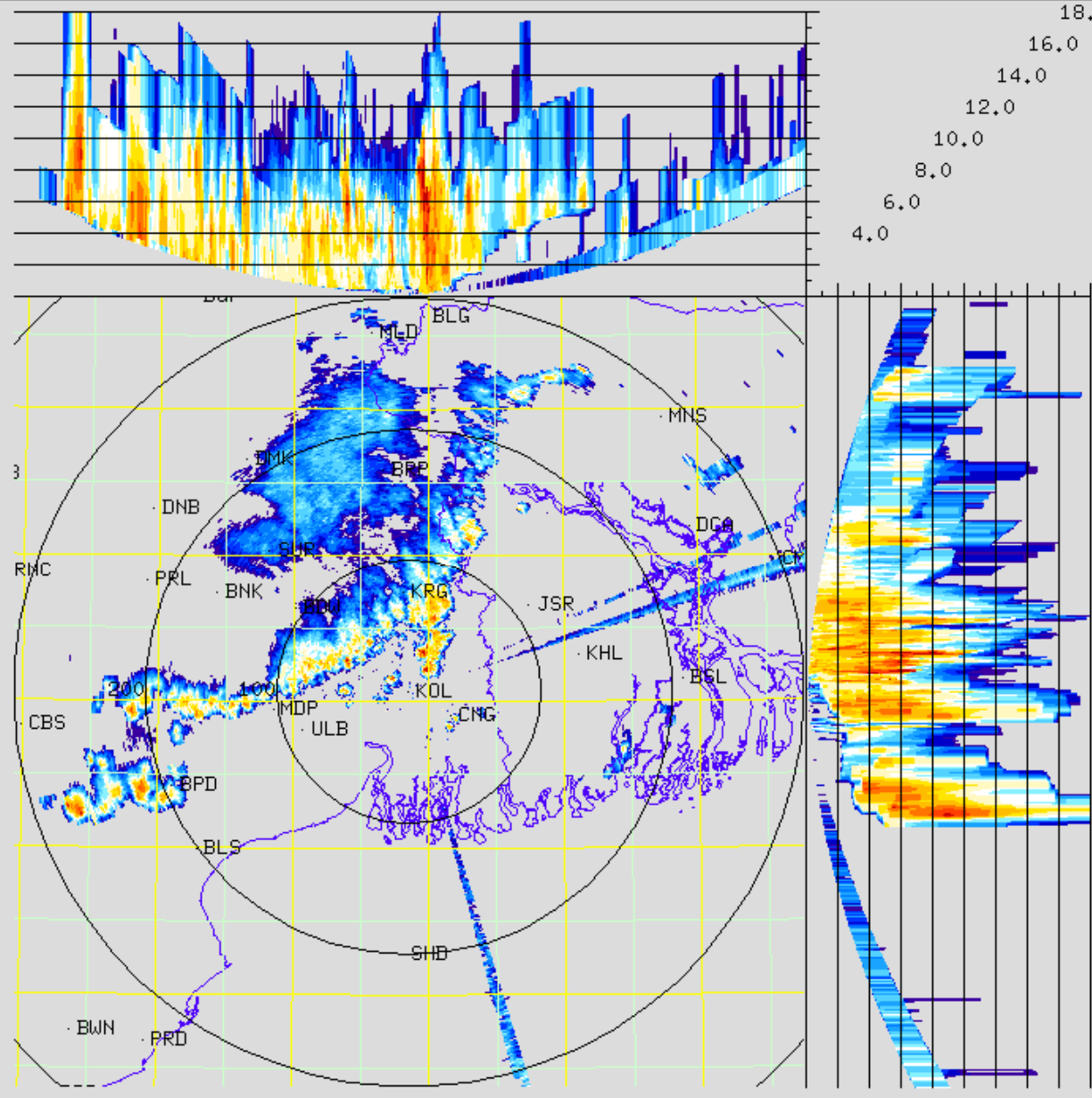


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



File : 2010050710134175.caz
 Type : MAX(Z)
 Range: 300,0 km

07.05.2010
 10:13:41



KOLKATA_India
 Scan R : 500 km
 Scan Res: 1,00 km
 Disp R : 300 km
 Disp Res: 1,200 km
 PW : Long
 PRF: 300 / 0
 AS : 12.00 deg/s
 TS : 25
 RS : 1
 CC : Doppler 15
 SQI: 0.35
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0,100 km
 C.D.R. KOLKATA

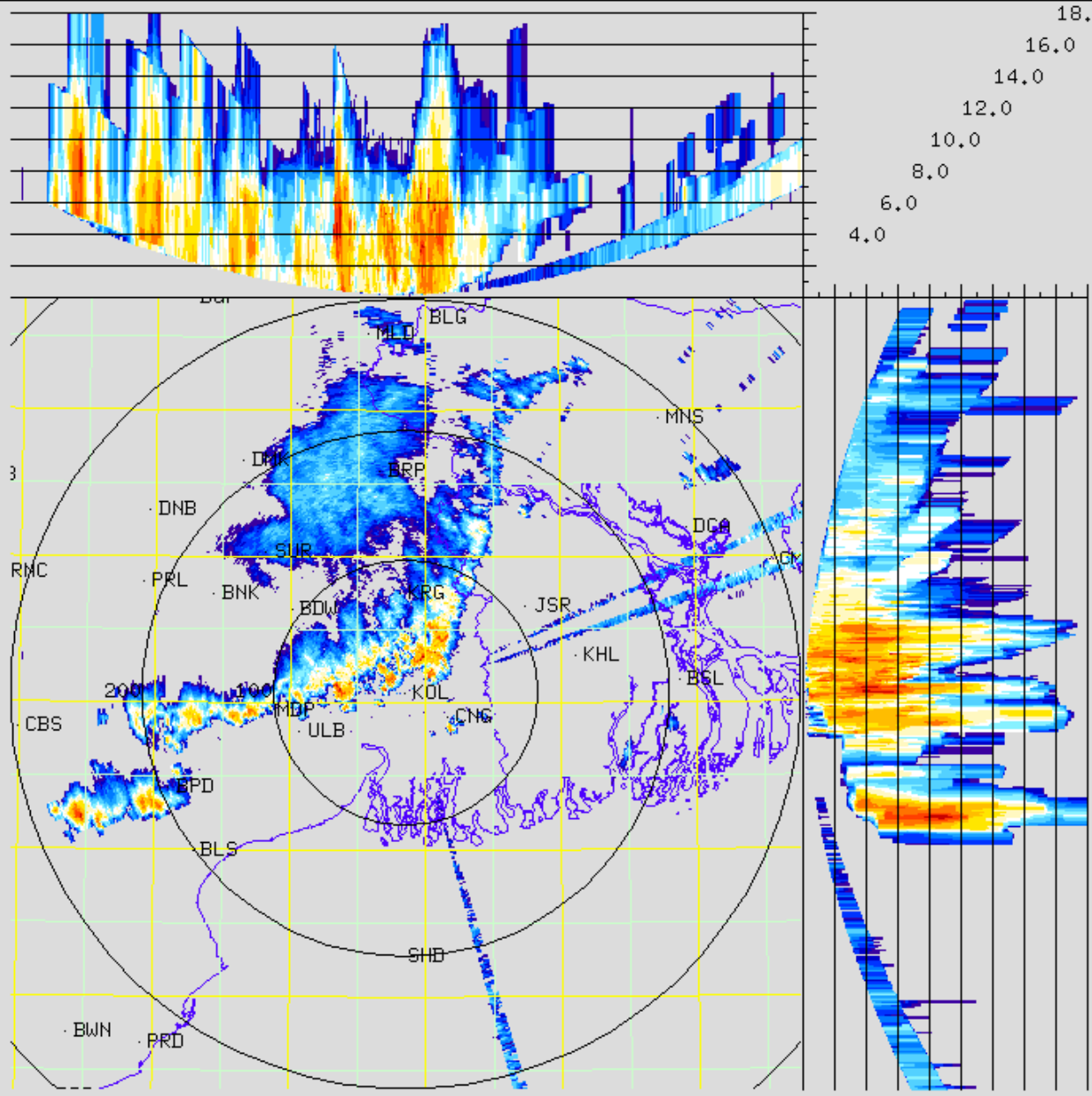


भारत मौसम विज्ञान विभाग
 INDIA METEOROLOGICAL DEPARTMENT



File : 2010050710264190.caz
 Type : MAX(Z)
 Range : 300.0 km

07.05.2010
 10:26:41



dBZ

| |
|--------------|
| 57.3 - 60.0+ |
| 54.7 - 57.3 |
| 52.0 - 54.7 |
| 49.3 - 52.0 |
| 46.7 - 49.3 |
| 44.0 - 46.7 |
| 41.3 - 44.0 |
| 38.7 - 41.3 |
| 36.0 - 38.7 |
| 33.3 - 36.0 |
| 30.7 - 33.3 |
| 28.0 - 30.7 |
| 25.3 - 28.0 |
| 22.7 - 25.3 |
| 20.0 - 22.7 |

KOLKATA_India
 Scan R : 500 km
 Scan Res: 1.00 km
 Disp R : 300 km
 Disp Res: 1.200 km
 PW : Long
 PRF: 300 / 0
 AS : 12.00 deg/s
 TS : 25
 RS : 1
 CC : Doppler 15
 SQI: 0.35
 CSR: 10.0 dB
 LOG: 2.0 dB
 H : 18.00 km
 LS : 0.100 km

C.D.R. KOLKATA



भारत मौसम विज्ञान विभाग
 INDIA METEOROLOGICAL DEPARTMENT



धन्यवाद



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

