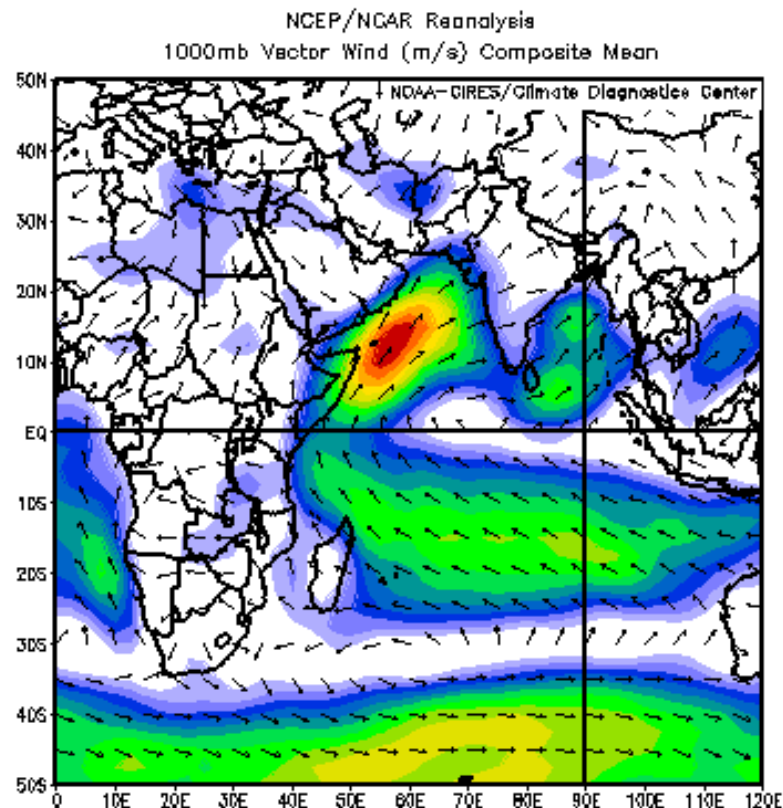
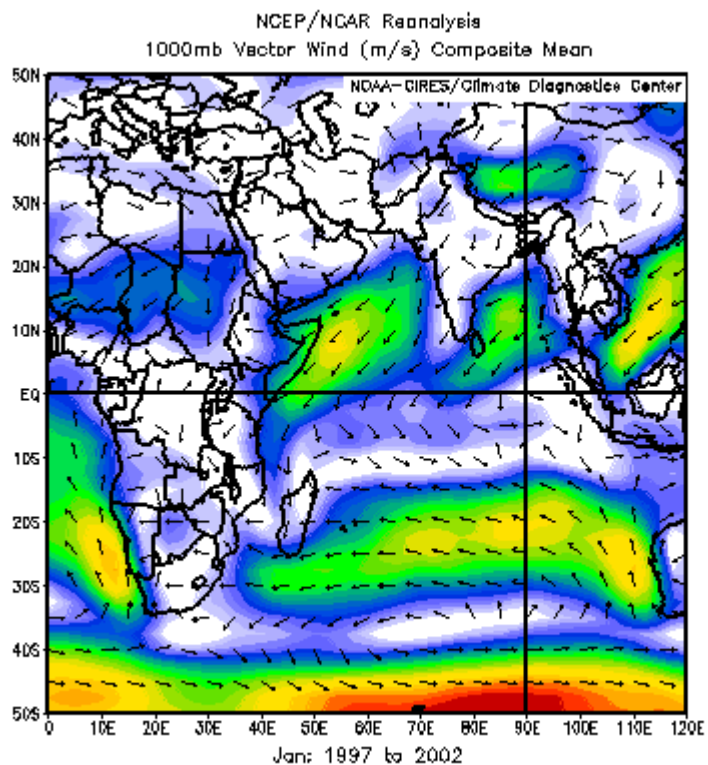


Nepal

**October, November, December 2007
January 2008**

(land to sea in winter and the reverse in summer)



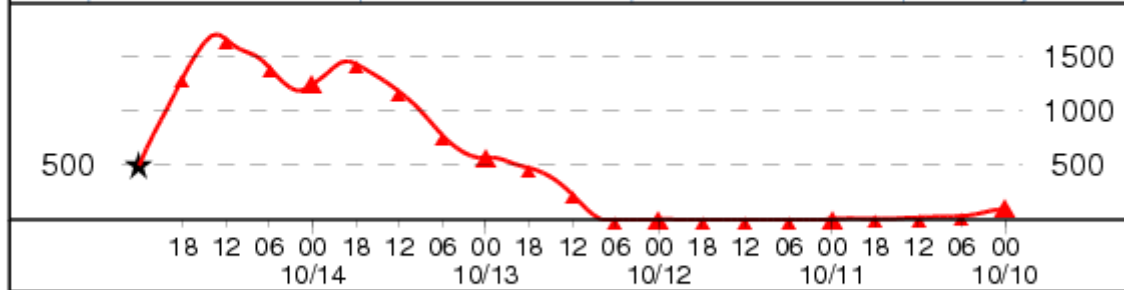
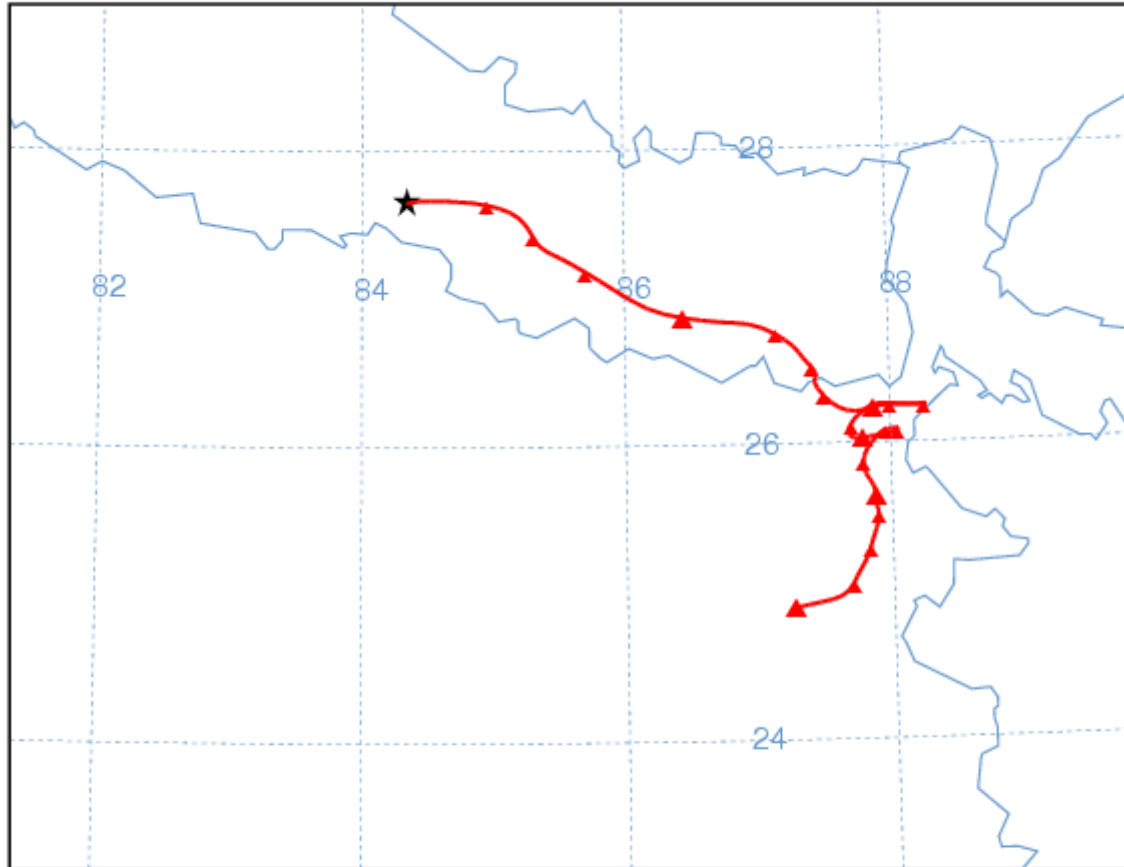
Typical November - March

Typical June - August

NOAA HYSPLIT MODEL
Backward trajectory ending at 00 UTC 15 Oct 07
GDAS Meteorological Data

Source ★ at 27.65 N 84.34 E

Meters AGL



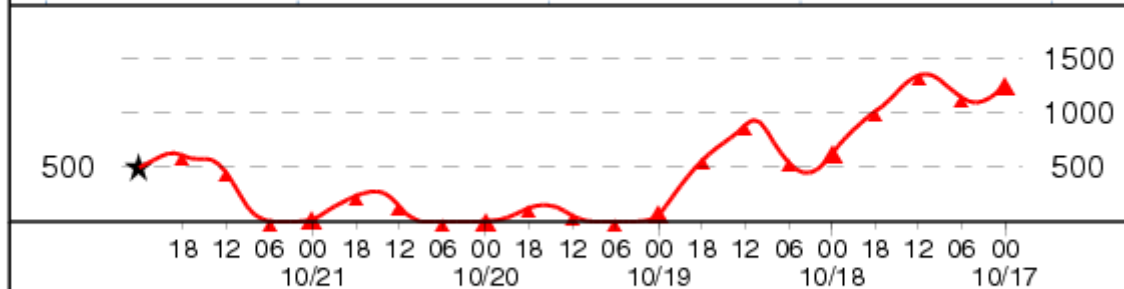
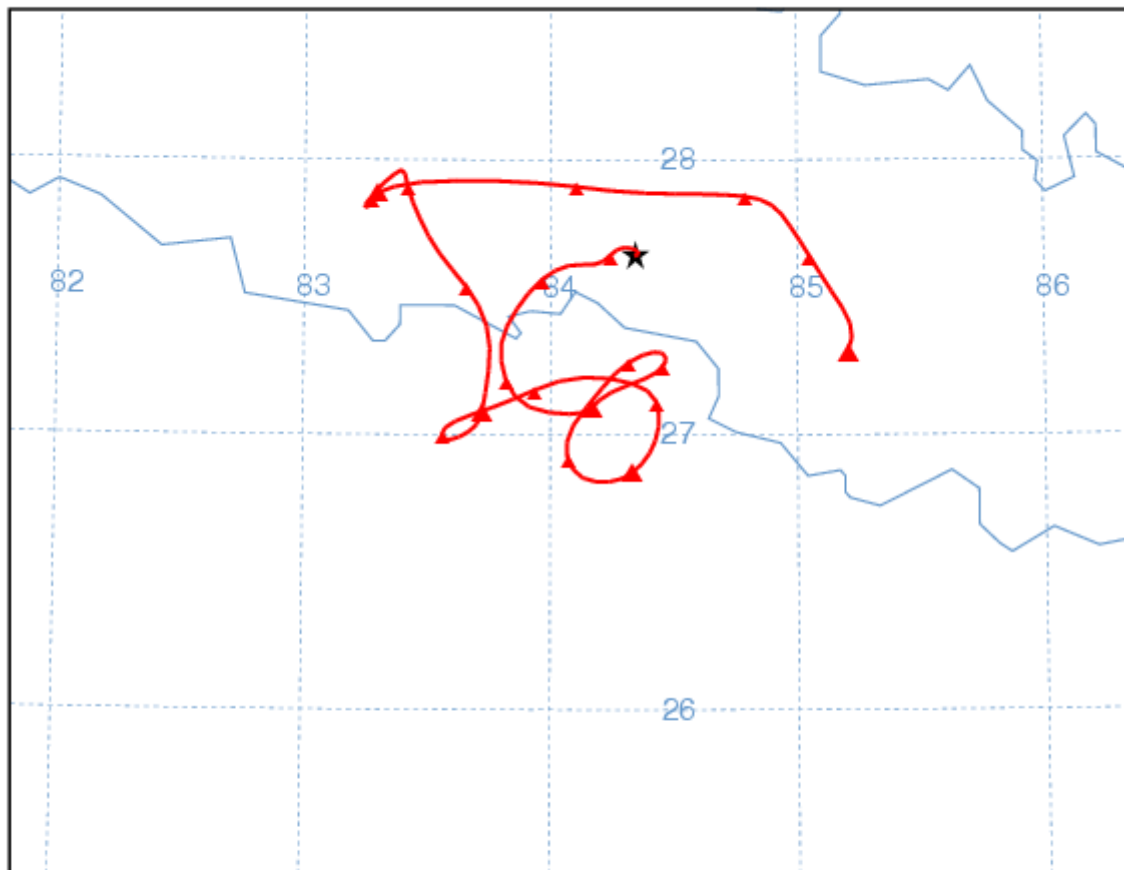
Job ID: 392444 Job Start: Thu Jan 31 10:11:54 GMT 2008
Source 1 lat.: 27.65 lon.: 84.34 height: 500 m AGL

Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/readv/>)

NOAA HYSPLIT MODEL
 Backward trajectory ending at 00 UTC 22 Oct 07
 GDAS Meteorological Data

Source ★ at 27.65 N 84.34 E

Meters AGL

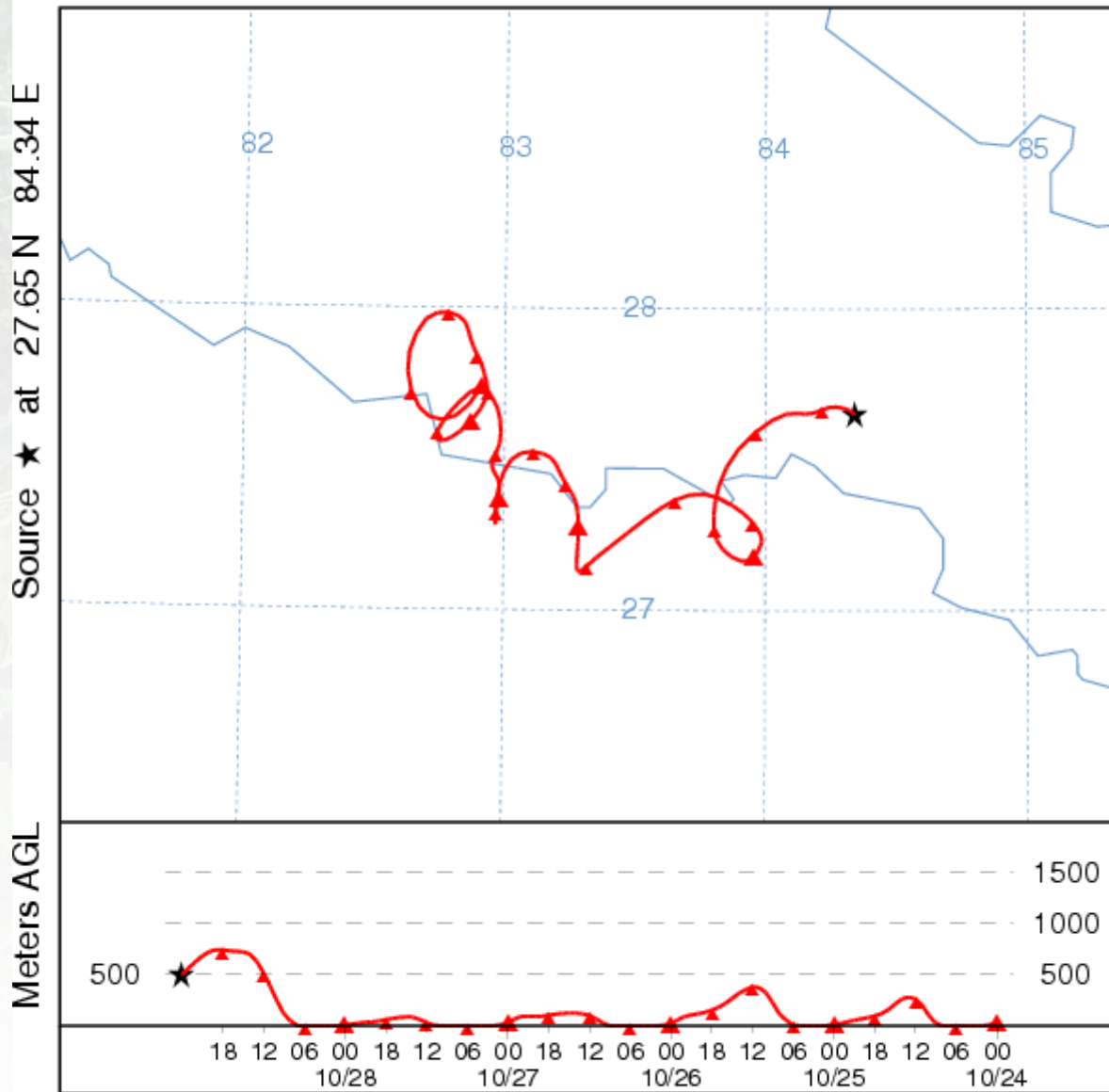


Job ID: 392399 Job Start: Thu Jan 31 10:09:11 GMT 2008
 Source 1 lat.: 27.65 lon.: 84.34 height: 500 m AGL

Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/readv/>)



NOAA HYSPLIT MODEL
Backward trajectory ending at 00 UTC 29 Oct 07
GDAS Meteorological Data

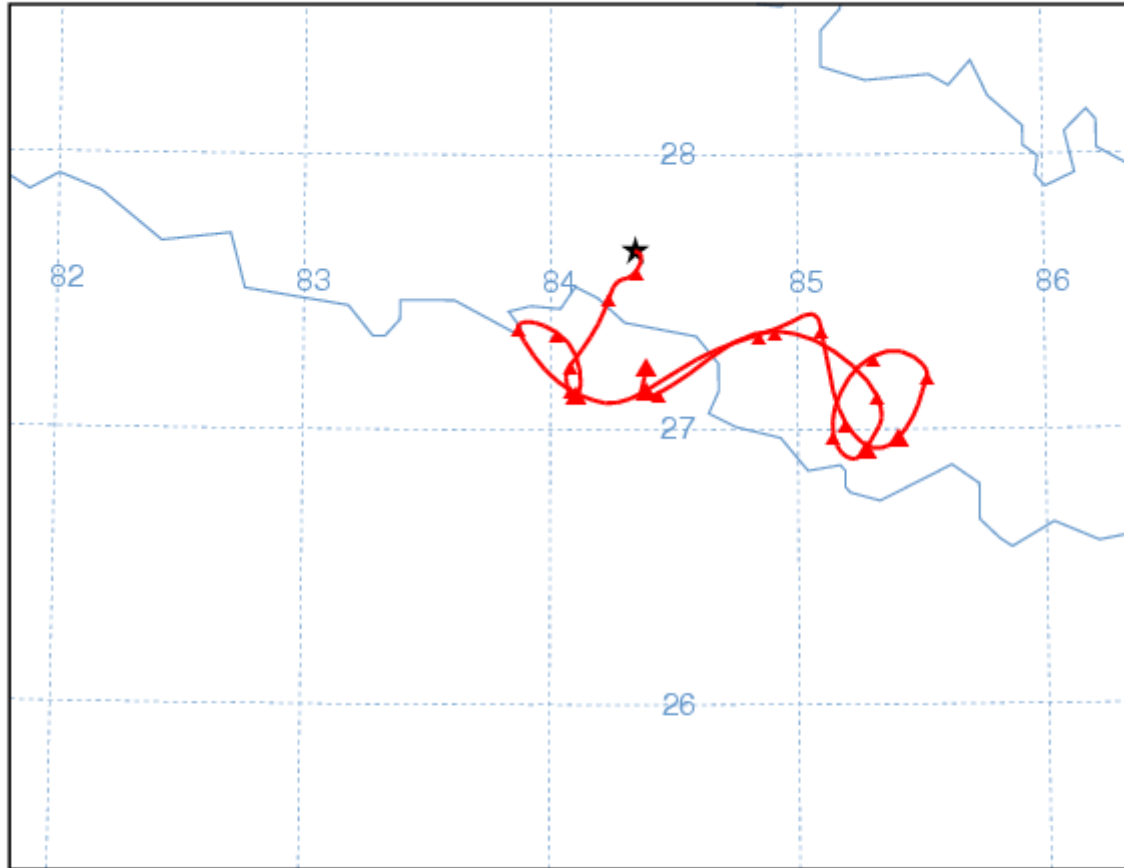


Job ID: 392331 Job Start: Thu Jan 31 10:05:58 GMT 2008
Source 1 lat.: 27.65 lon.: 84.34 height: 500 m AGL

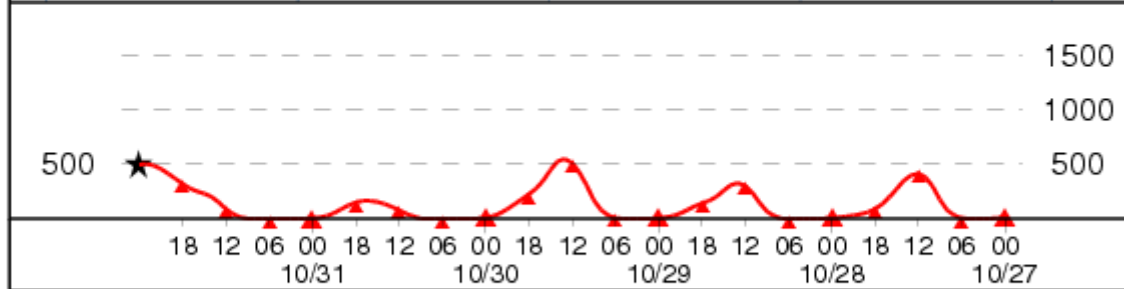
Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

NOAA HYSPLIT MODEL
 Backward trajectory ending at 00 UTC 01 Nov 07
 GDAS Meteorological Data

Source ★ at 27.65 N 84.34 E



Meters AGL

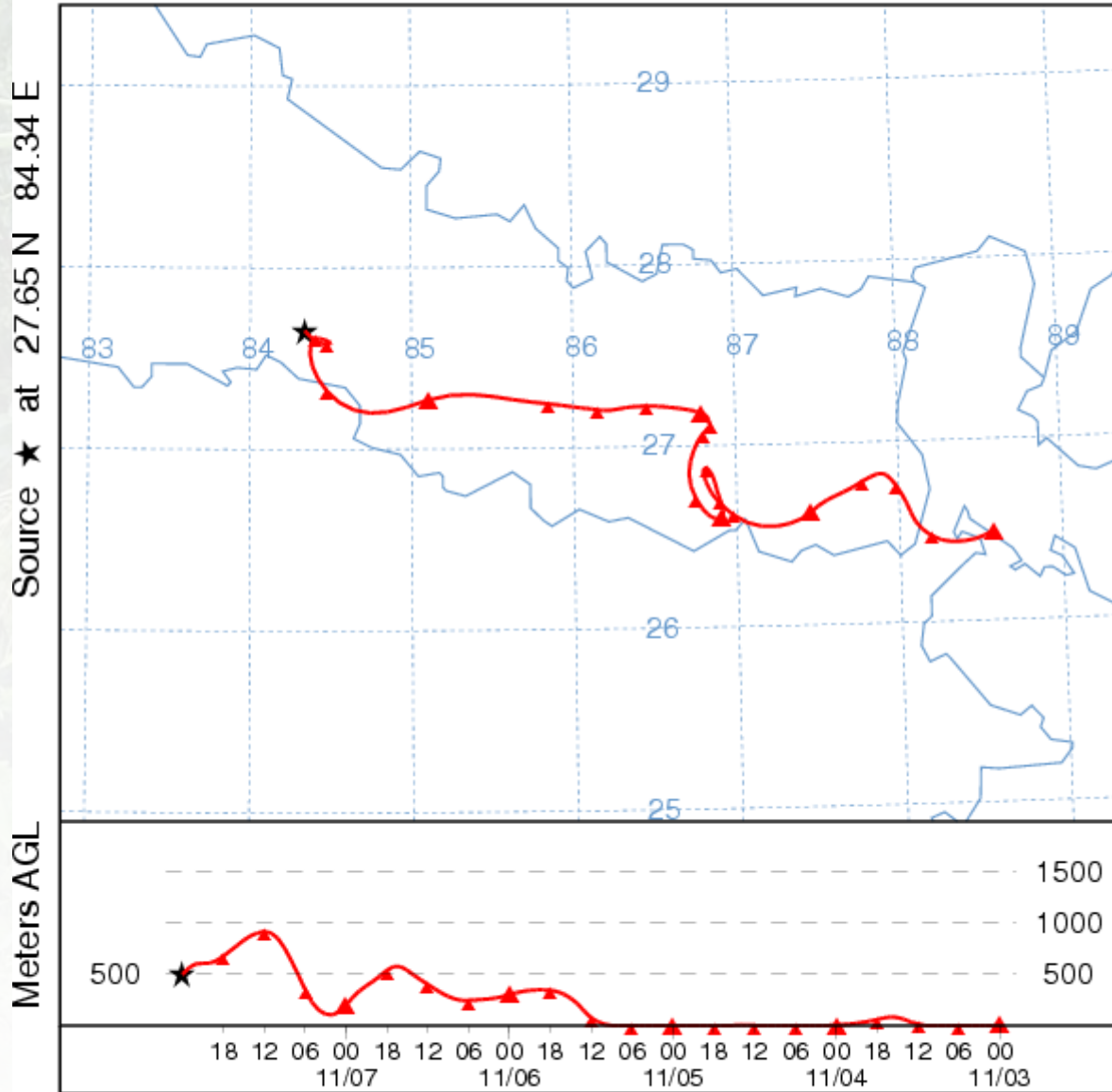


Job ID: 392231 Job Start: Thu Jan 31 10:02:37 GMT 2008
 Source 1 lat.: 27.65 lon.: 84.34 height: 500 m AGL

Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/readv/>)



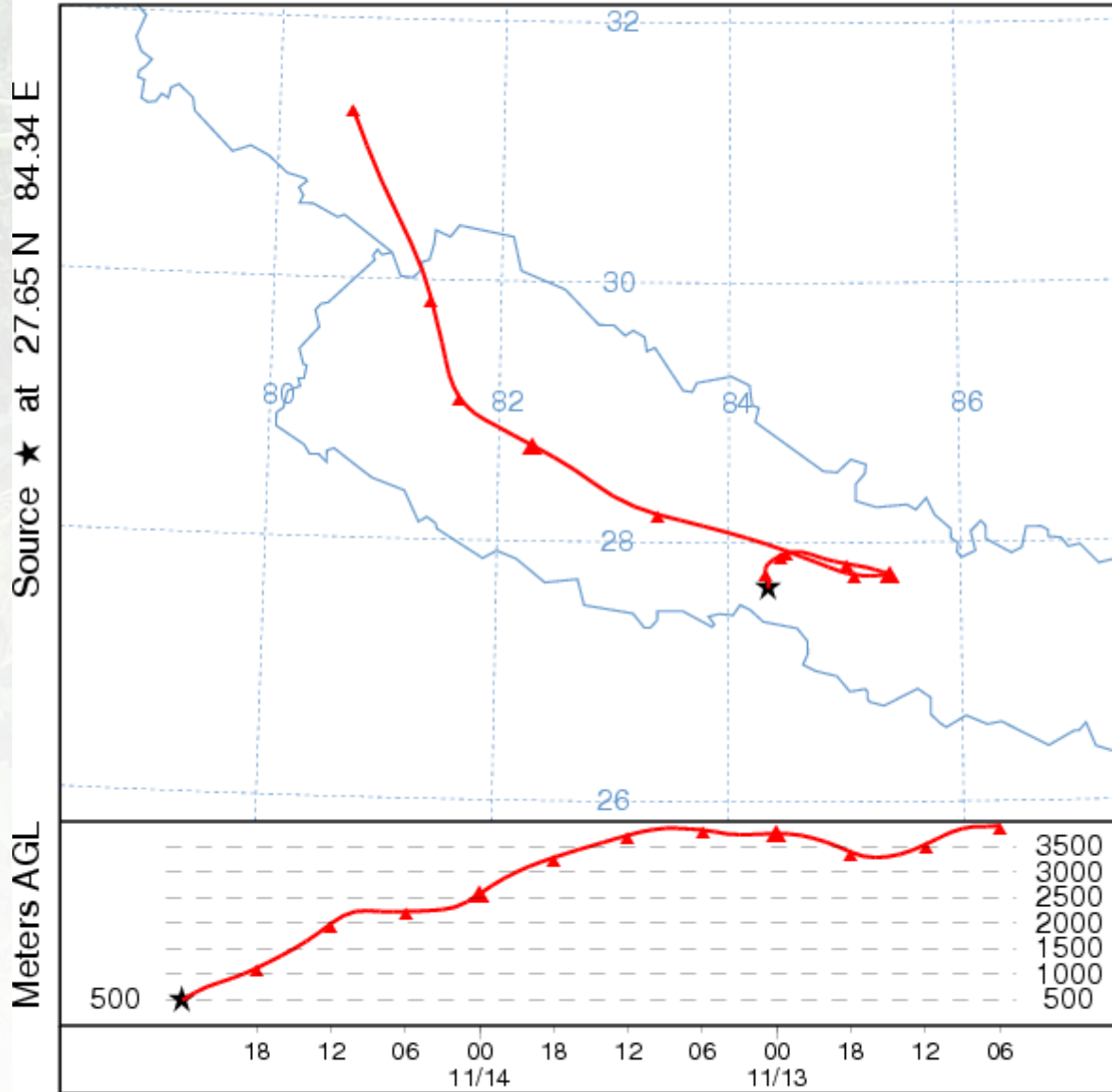
NOAA HYSPLIT MODEL
Backward trajectory ending at 00 UTC 08 Nov 07
GDAS Meteorological Data



Job ID: 392164 Job Start: Thu Jan 31 09:59:16 GMT 2008
Source 1 lat.: 27.65 lon.: 84.34 height: 500 m AGL

Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/readv/>)

NOAA HYSPLIT MODEL
 Backward trajectory ending at 00 UTC 15 Nov 07
 GDAS Meteorological Data



Source ★ at 27.65 N 84.34 E

Meters AGL

Job ID: 391971 Job Start: Thu Jan 31 09:53:37 GMT 2008
 Source 1 lat.: 27.65 lon.: 84.34 height: 500 m AGL

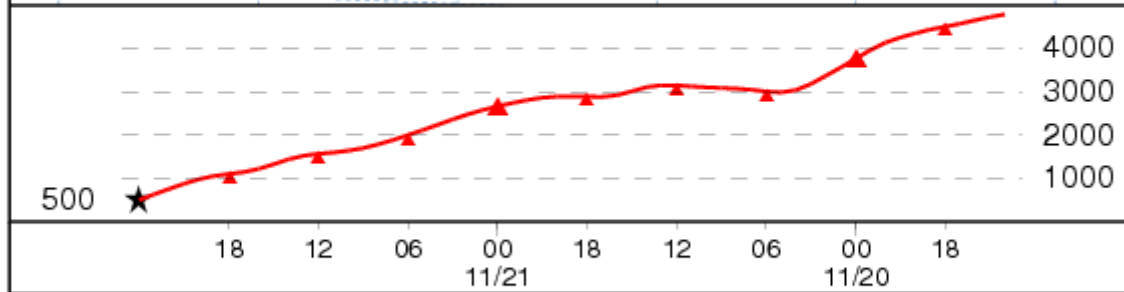
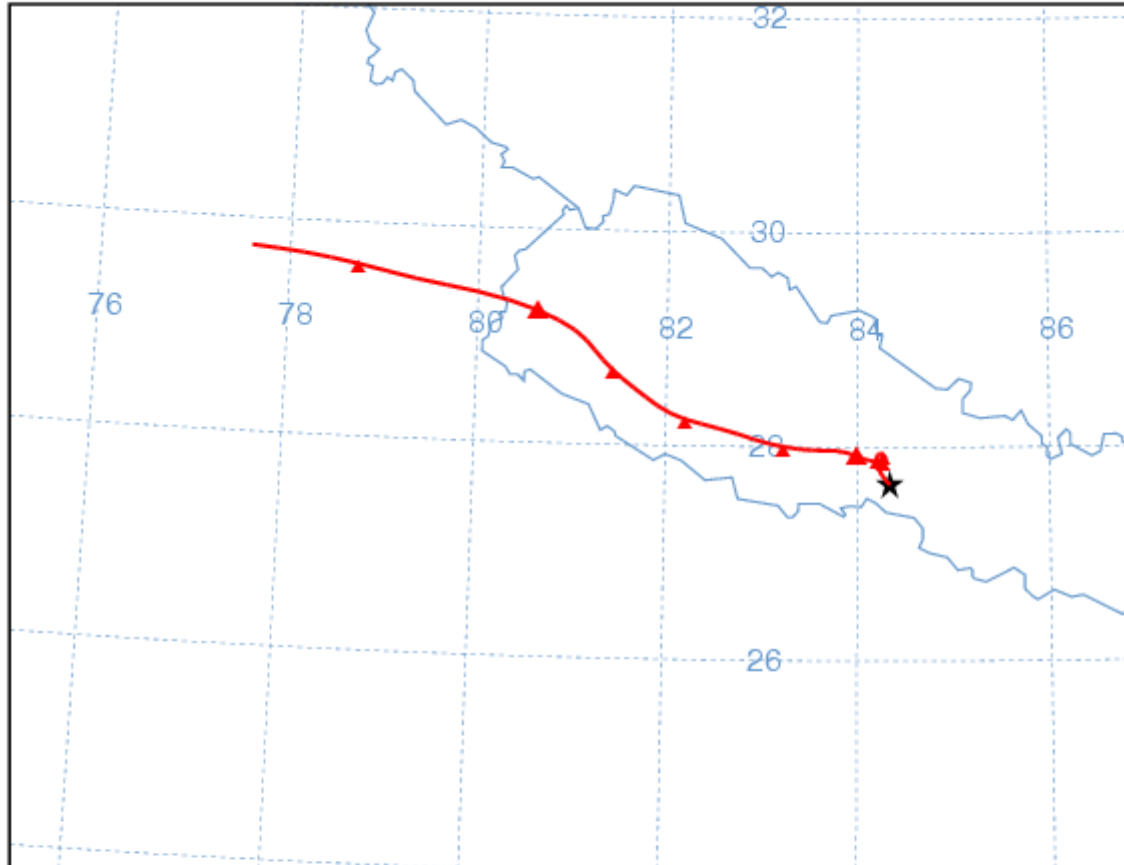
Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)



NOAA HYSPLIT MODEL
 Backward trajectory ending at 00 UTC 22 Nov 07
 GDAS Meteorological Data

Source ★ at 27.65 N 84.34 E

Meters AGL



Job ID: 391867 Job Start: Thu Jan 31 09:50:58 GMT 2008
 Source 1 lat.: 27.65 lon.: 84.34 height: 500 m AGL

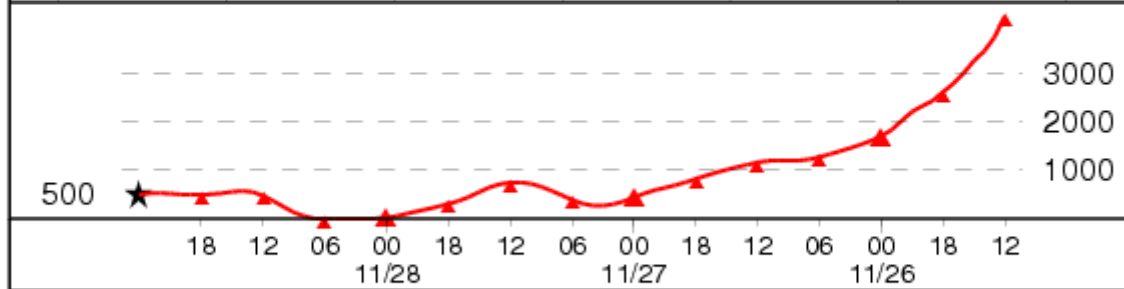
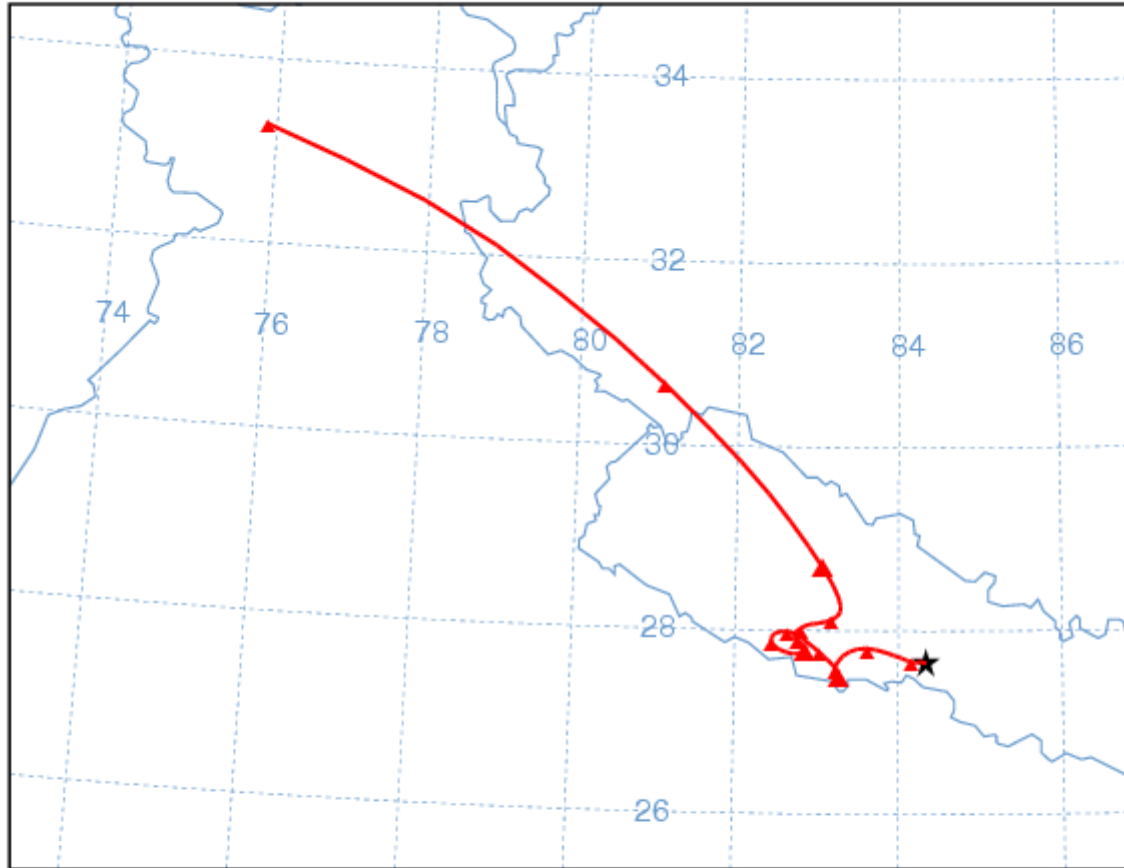
Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)



NOAA HYSPLIT MODEL
Backward trajectory ending at 00 UTC 29 Nov 07
GDAS Meteorological Data

Source ★ at 27.65 N 84.34 E

Meters AGL

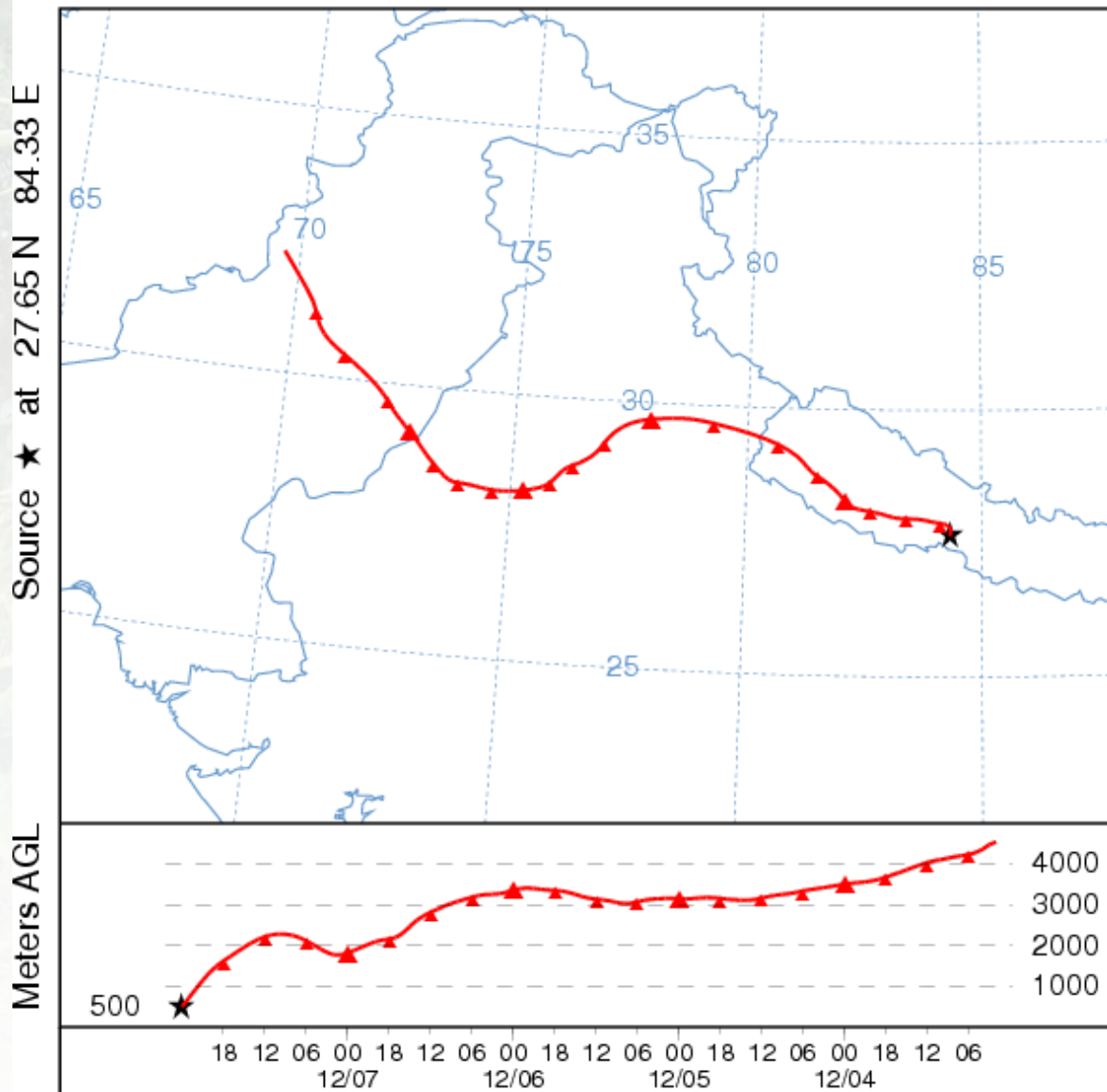


Job ID: 391765 Job Start: Thu Jan 31 09:47:40 GMT 2008
Source 1 lat.: 27.65 lon.: 84.34 height: 500 m AGL

Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)



NOAA HYSPLIT MODEL
 Backward trajectory ending at 00 UTC 08 Dec 07
 GDAS Meteorological Data



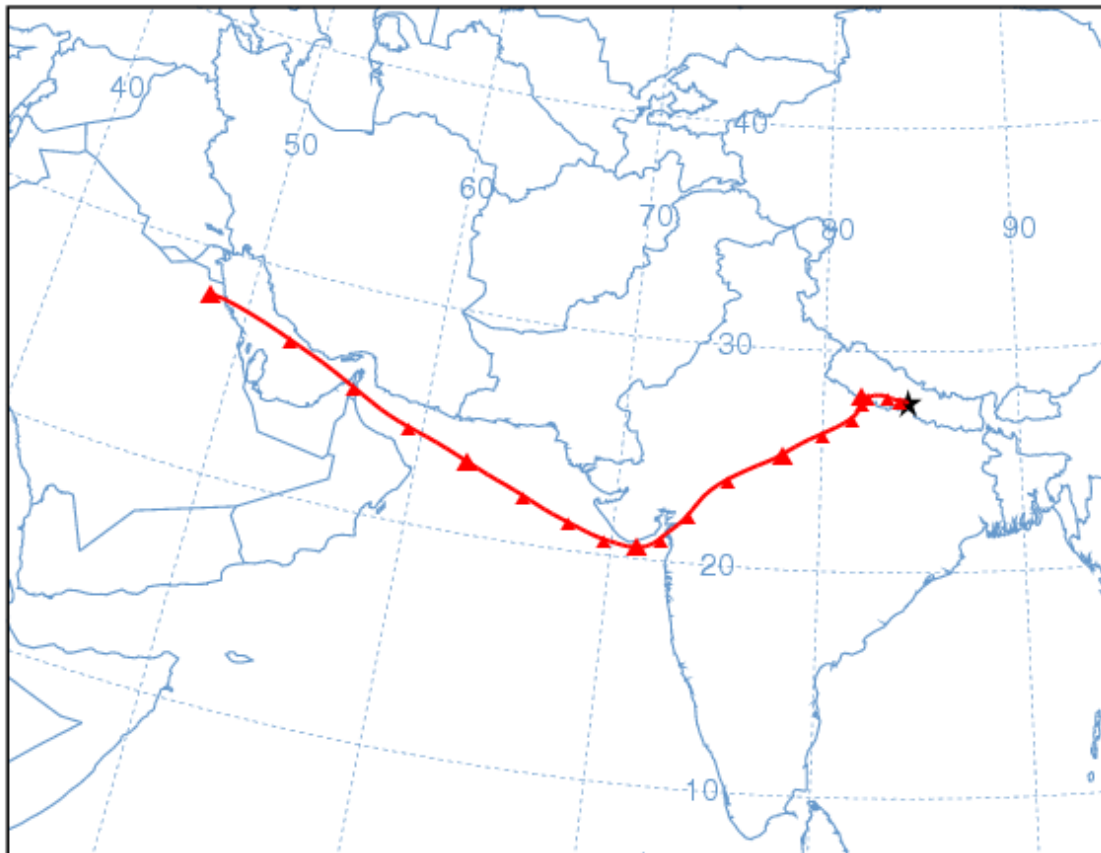
Job ID: 392259 Job Start: Thu Jan 31 10:03:06 GMT 2008
 Source 1 lat.: 27.65 lon.: 84.33 height: 500 m AGL

Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

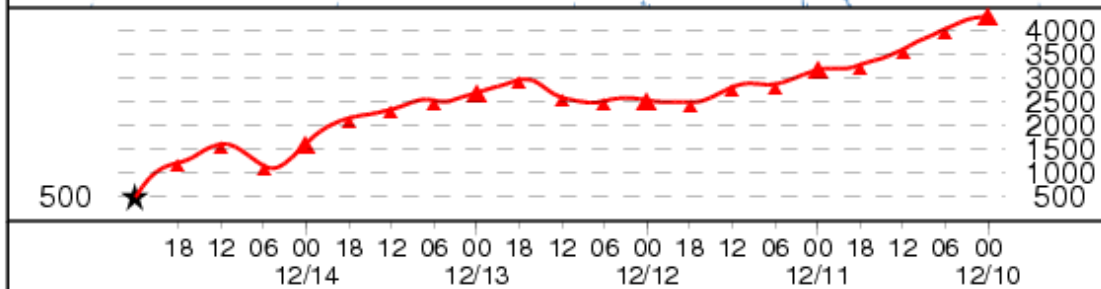


NOAA HYSPLIT MODEL
Backward trajectory ending at 00 UTC 15 Dec 07
GDAS Meteorological Data

Source ★ at 27.65 N 84.33 E



Meters AGL



Job ID: 392146 Job Start: Thu Jan 31 09:58:50 GMT 2008
Source 1 lat.: 27.65 lon.: 84.33 height: 500 m AGL

Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

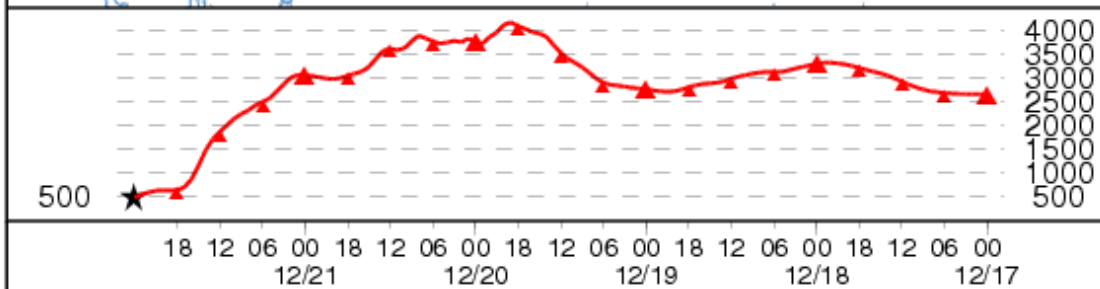


NOAA HYSPLIT MODEL
Backward trajectory ending at 00 UTC 22 Dec 07
GDAS Meteorological Data

Source ★ at 27.65 N 84.33 E



Meters AGL

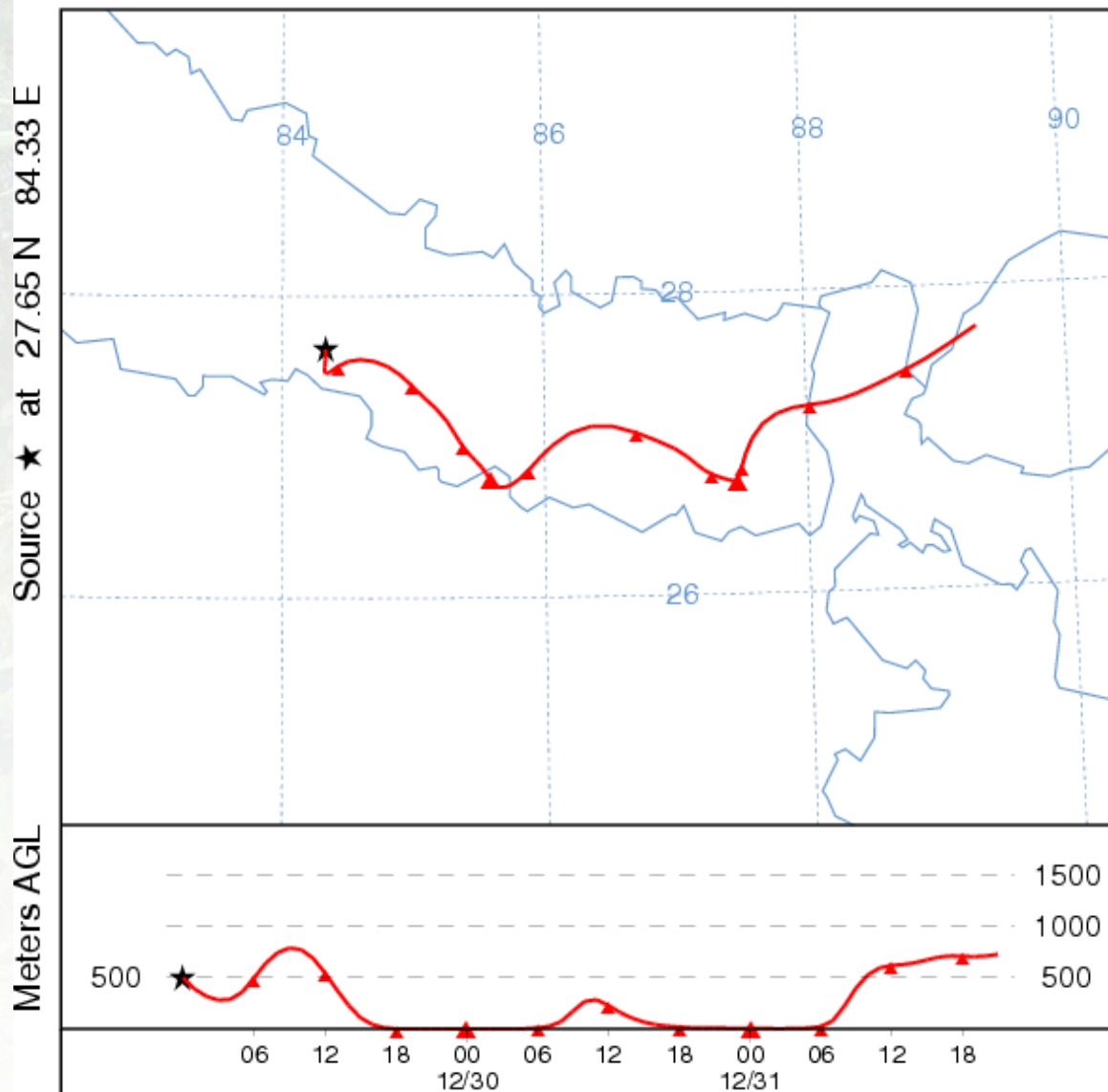


Job ID: 392016 Job Start: Thu Jan 31 09:55:06 GMT 2008
Source 1 lat.: 27.65 lon.: 84.33 height: 500 m AGL

Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)



NOAA HYSPLIT MODEL
Forward trajectory starting at 00 UTC 29 Dec 07
GDAS Meteorological Data

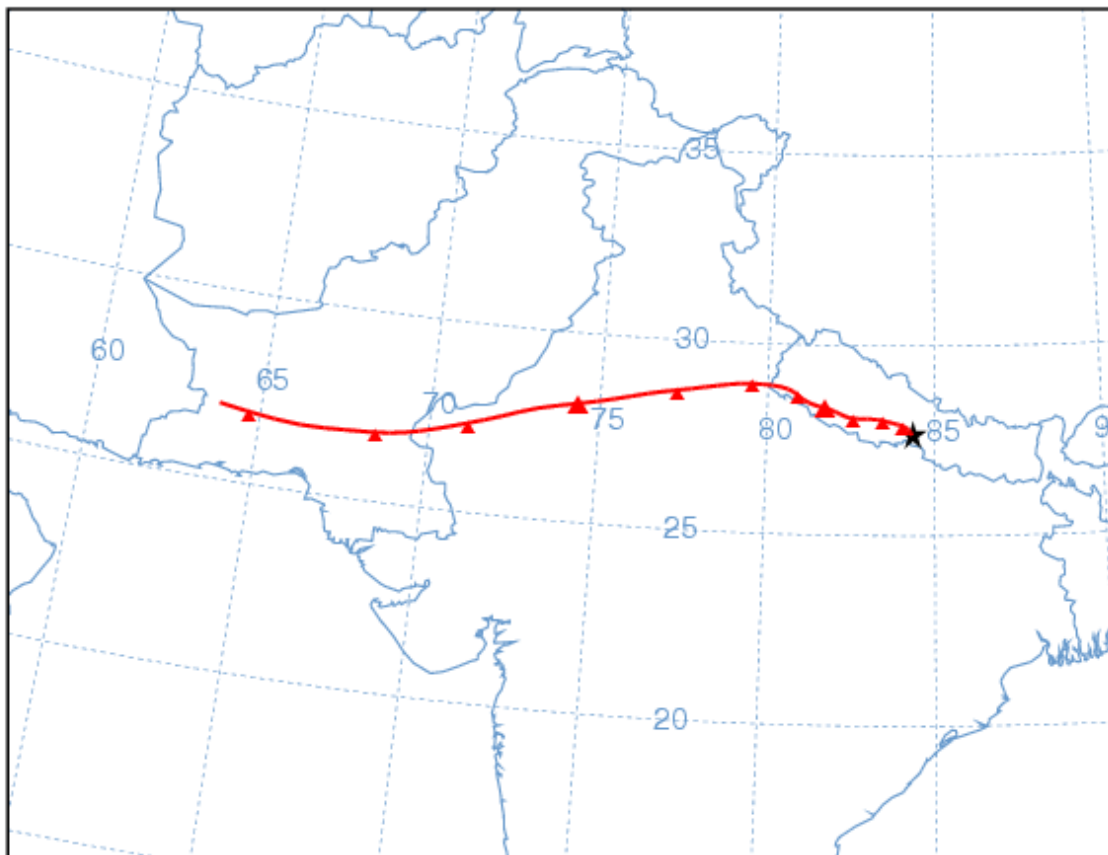


Job ID: 391849 Job Start: Thu Jan 31 09:50:46 GMT 2008
Source 1 lat.: 27.65 lon.: 84.33 height: 500 m AGL

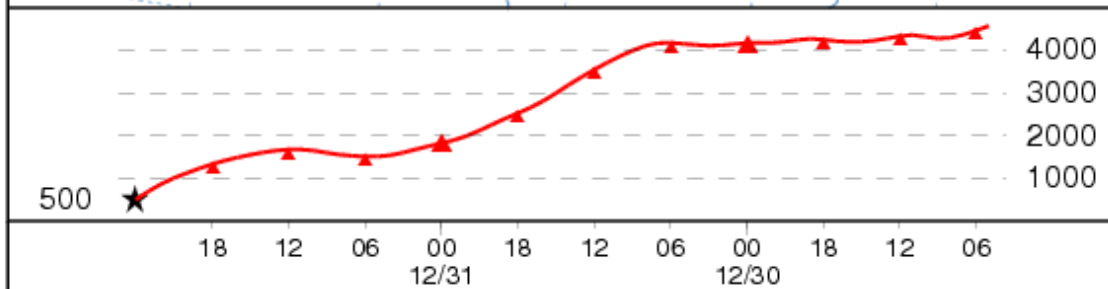
Trajectory Direction: Forward Duration: 120 hrs Meteo Data: GDAS1
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

NOAA HYSPLIT MODEL
 Backward trajectory ending at 00 UTC 01 Jan 08
 GDAS Meteorological Data

Source ★ at 27.65 N 84.33 E



Meters AGL



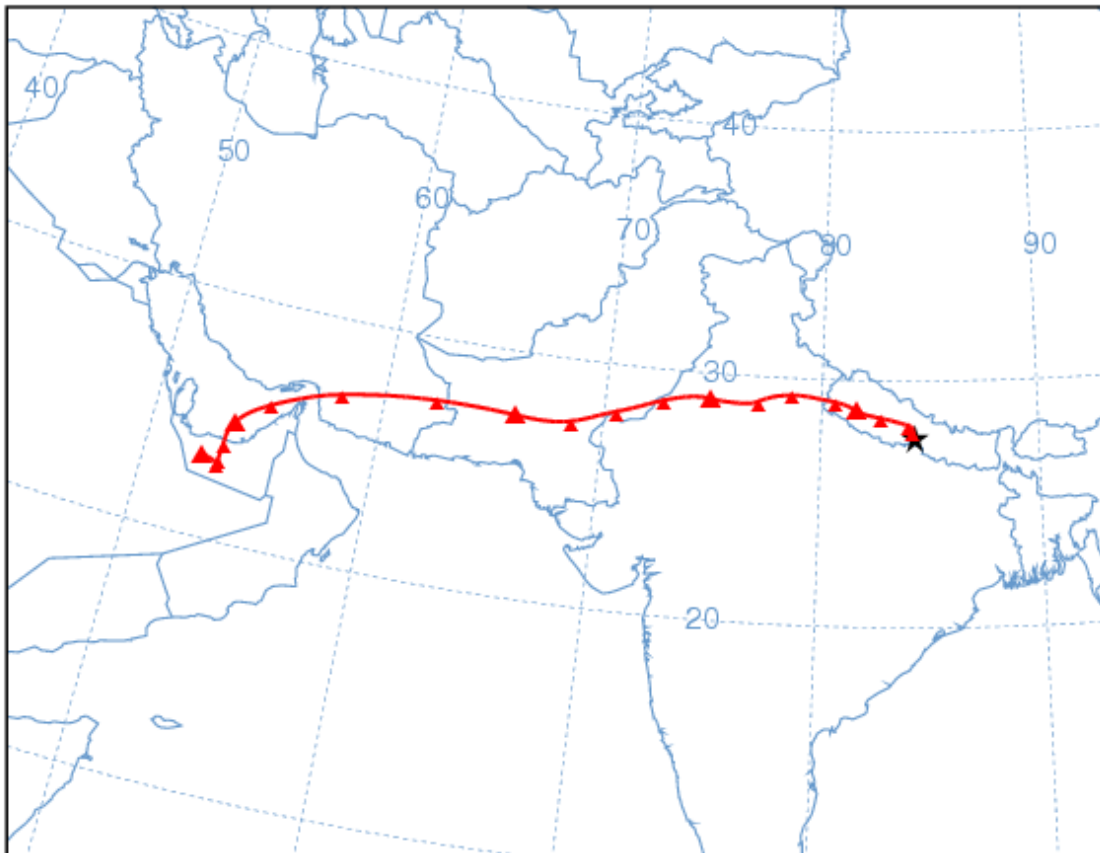
Job ID: 392382 Job Start: Thu Jan 31 10:08:50 GMT 2008
 Source 1 lat.: 27.65 lon.: 84.33 height: 500 m AGL

Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

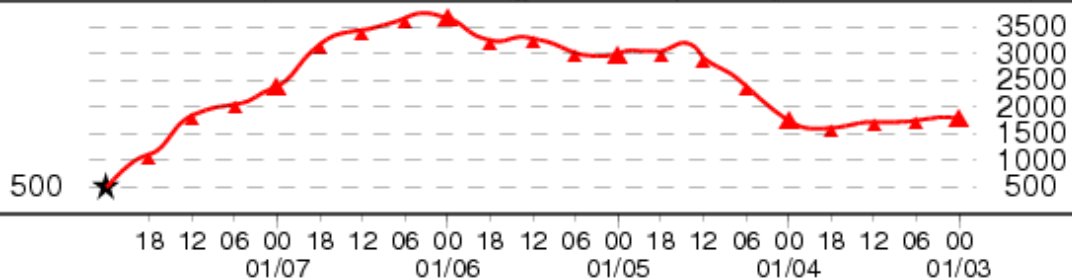


NOAA HYSPLIT MODEL
 Backward trajectory ending at 00 UTC 08 Jan 08
 GDAS Meteorological Data

Source ★ at 27.65 N 84.33 E



Meters AGL

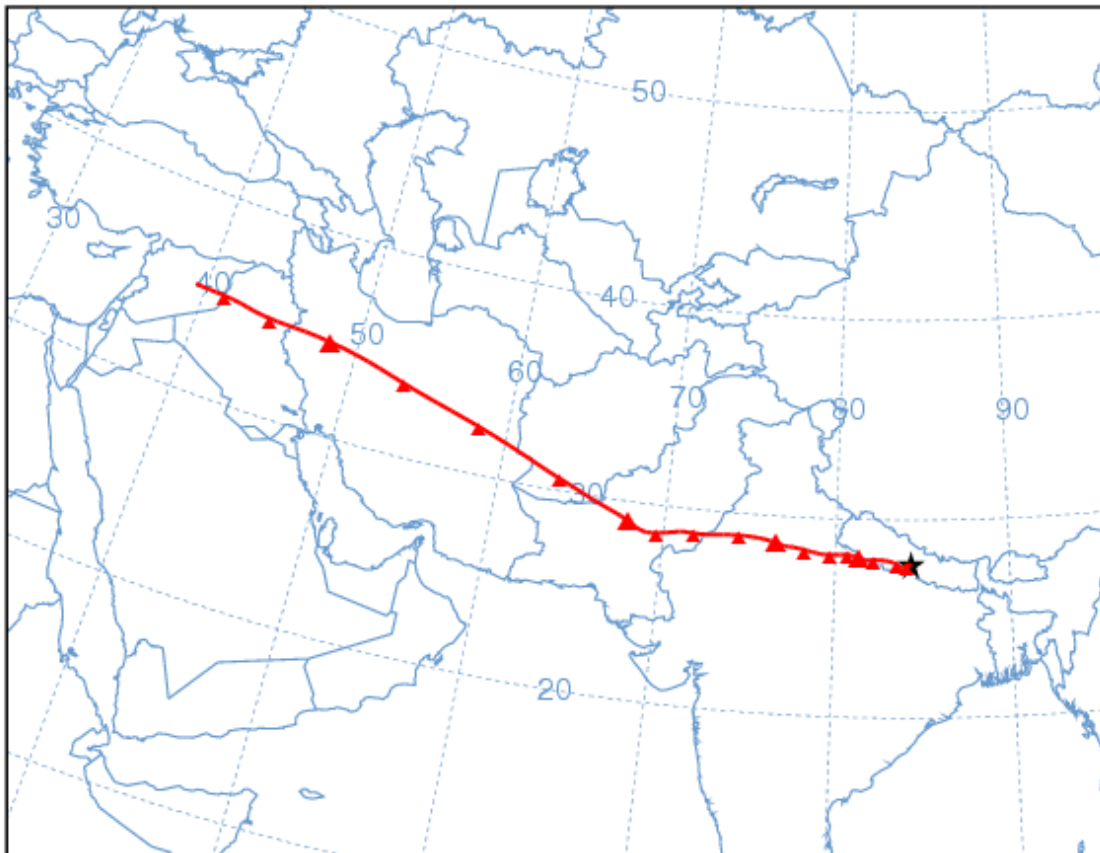


Job ID: 392418 Job Start: Thu Jan 31 10:10:49 GMT 2008
 Source 1 lat.: 27.65 lon.: 84.33 height: 500 m AGL

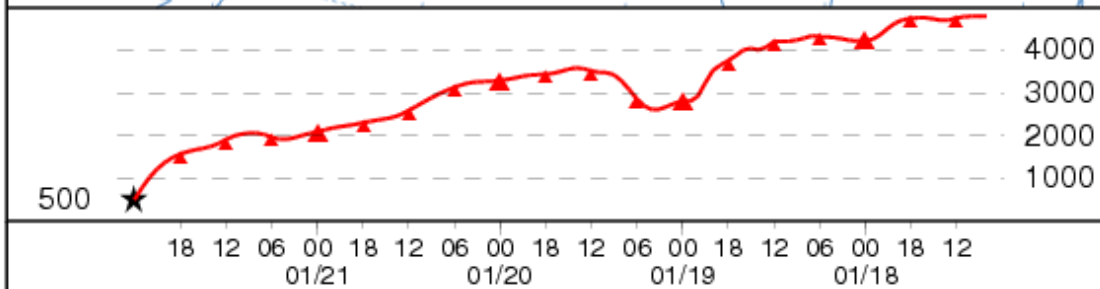
Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

NOAA HYSPLIT MODEL
 Backward trajectory ending at 00 UTC 22 Jan 08
 GDAS Meteorological Data

Source ★ at 27.65 N 84.33 E



Meters AGL



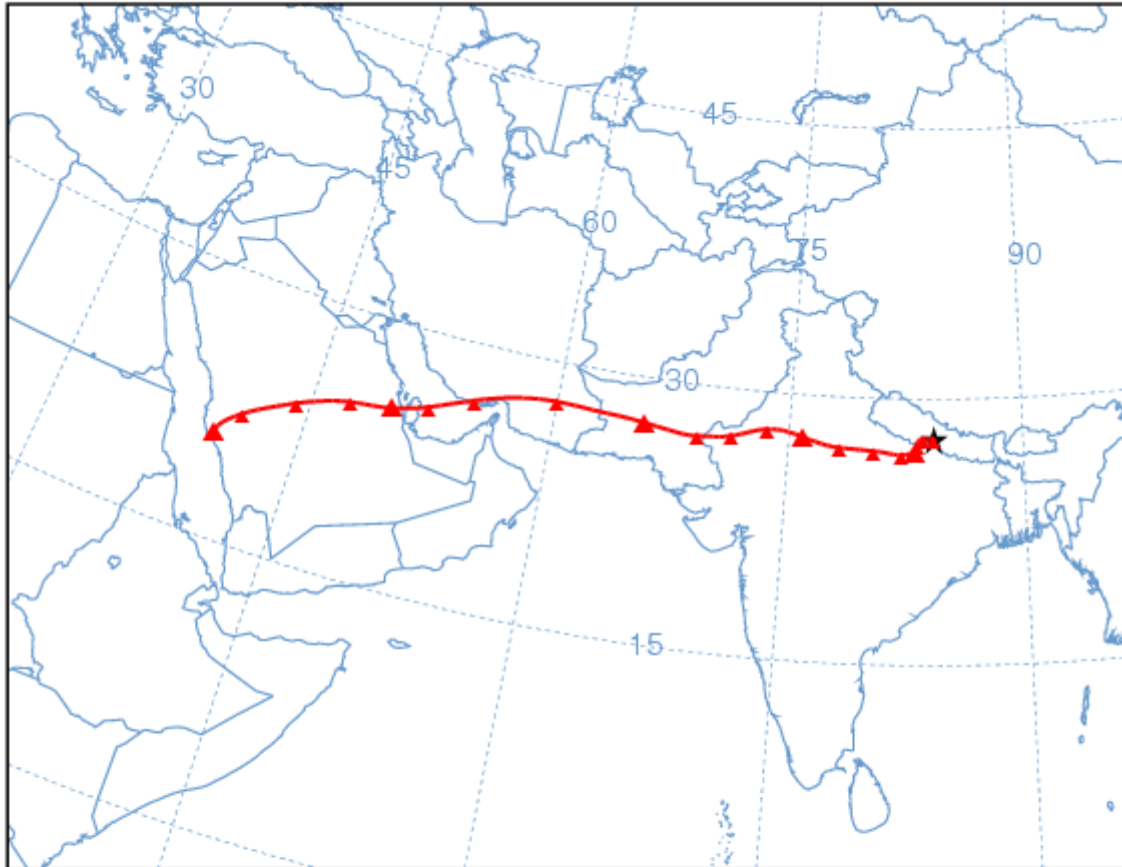
Job ID: 391777 Job Start: Thu Jan 31 09:47:51 GMT 2008
 Source 1 lat.: 27.65 lon.: 84.33 height: 500 m AGL

Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

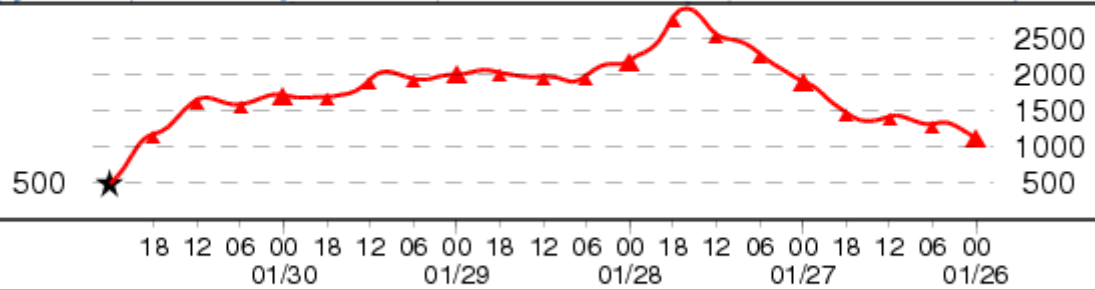


NOAA HYSPLIT MODEL
 Backward trajectory ending at 00 UTC 31 Jan 08
 GDAS Meteorological Data

Source ★ at 27.65 N 84.33 E



Meters AGL



Job ID: 391494 Job Start: Thu Jan 31 09:39:24 GMT 2008
 Source 1 lat.: 27.65 lon.: 84.33 height: 500 m AGL

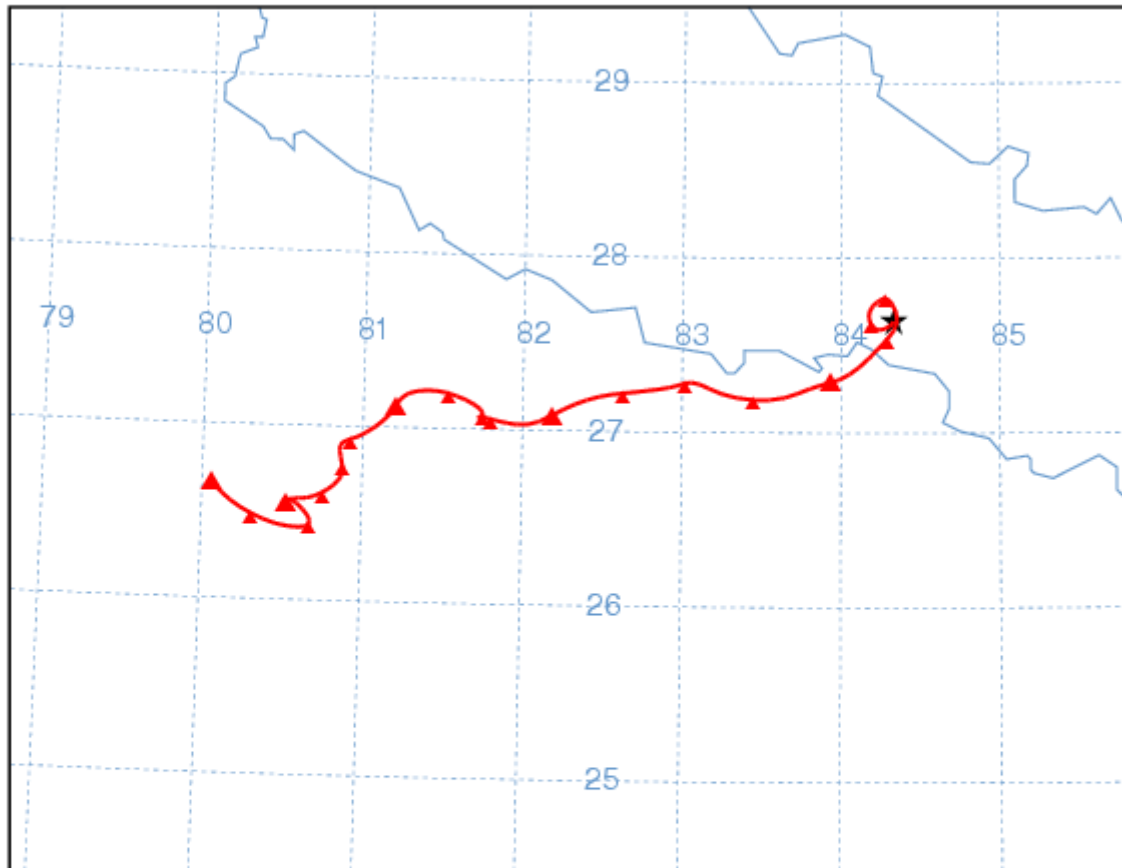
Trajectory Direction: Backward Duration: 120 hrs Meteo Data: GDAS1
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

Bangladesh Cyclone

NOAA HYSPLIT MODEL
 Forward trajectory starting at 00 UTC 08 Nov 07
 GDAS Meteorological Data

Source ★ at 27.64 N 84.33 E

Meters AGL



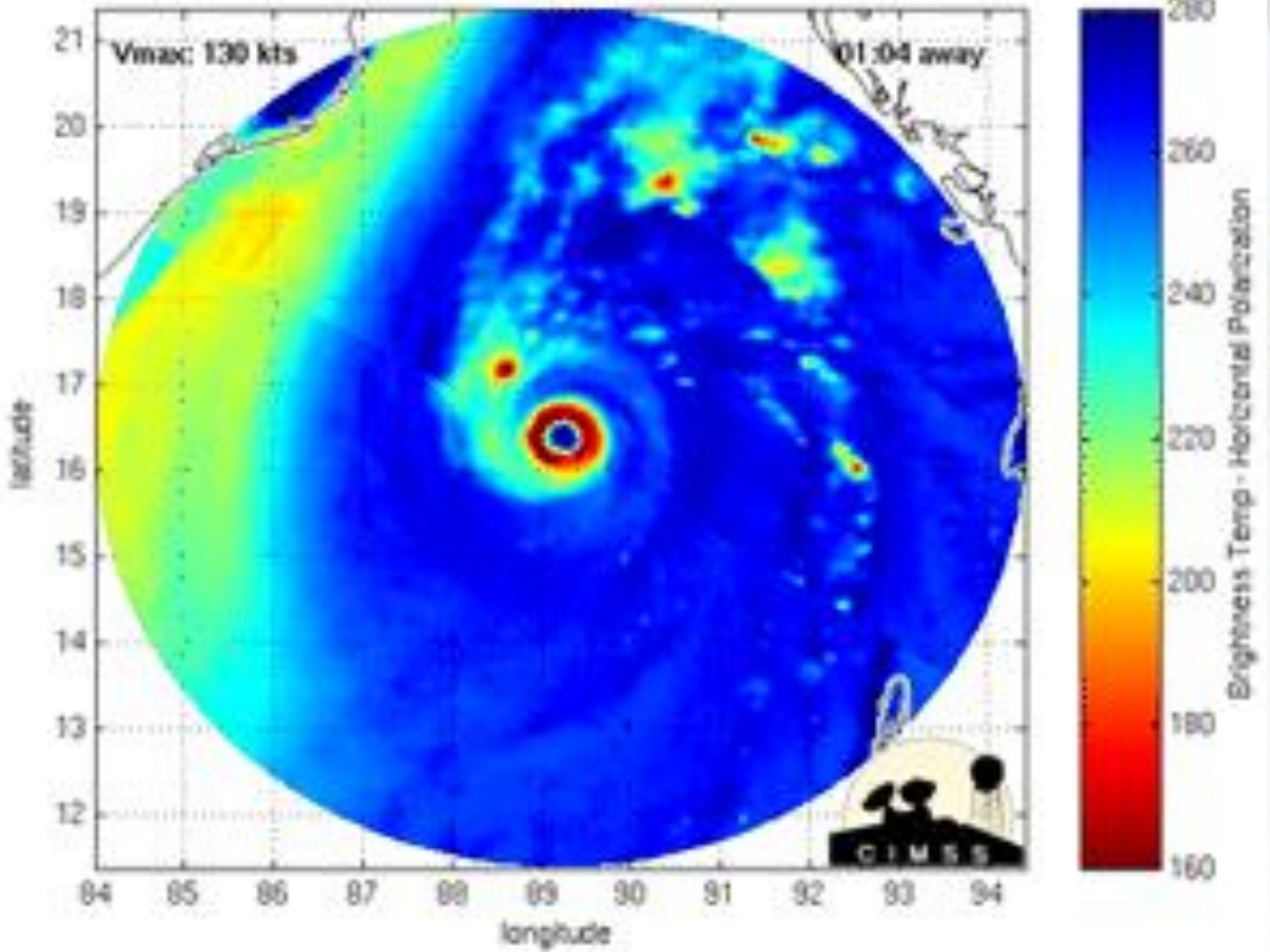
06 12 18 00 06 12 18 00 06 12 18 00 06 12 18 00 06 12 18 00
 11/09 11/10 11/11 11/12 11/13

Job ID: 35752 Job Start: Fri Feb 1 03:51:24 GMT 2008
 Source 1 lat.: 27.64 lon.: 84.33 height: 500 m AGL

Trajectory Direction: Forward Duration: 120 hrs Meteo Data: GDAS1
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA APL Website (<http://www.arl.noaa.gov/ready/>)

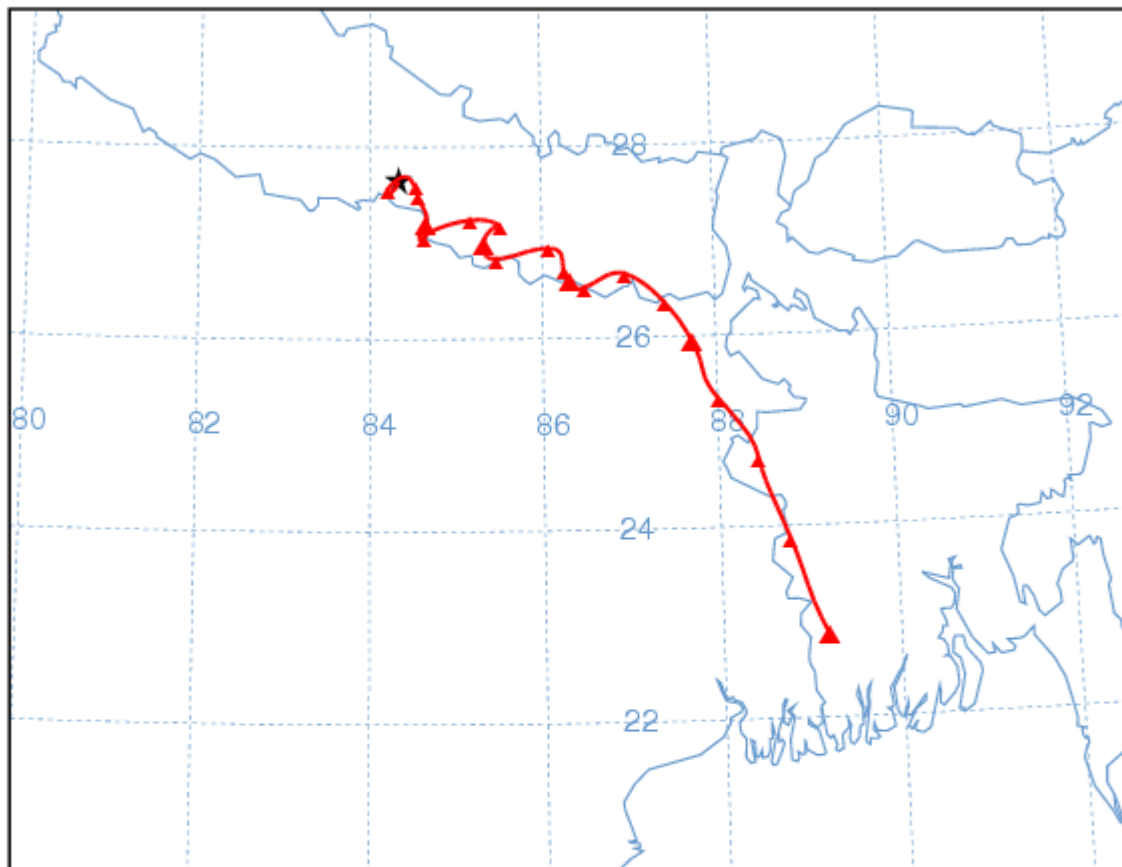


Sat: 14-Nov-2007 16:00:00

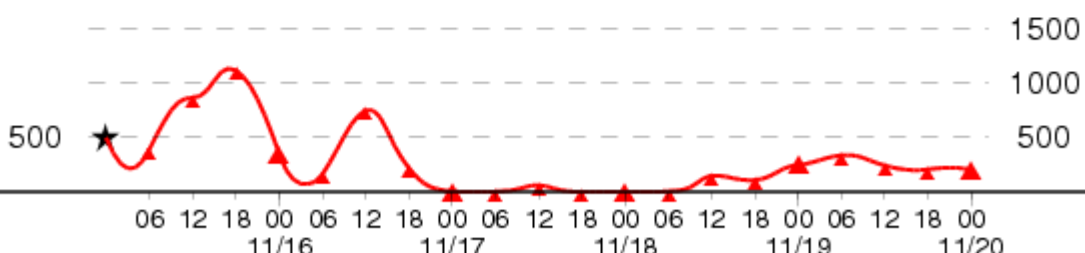


NOAA HYSPLIT MODEL
 Forward trajectory starting at 00 UTC 15 Nov 07
 GDAS Meteorological Data

Source ★ at 27.64 N 84.33 E



Meters AGL



Job ID: 35646 Job Start: Fri Feb 1 03:46:28 GMT 2008
 Source 1 lat.: 27.64 lon.: 84.33 height: 500 m AGL

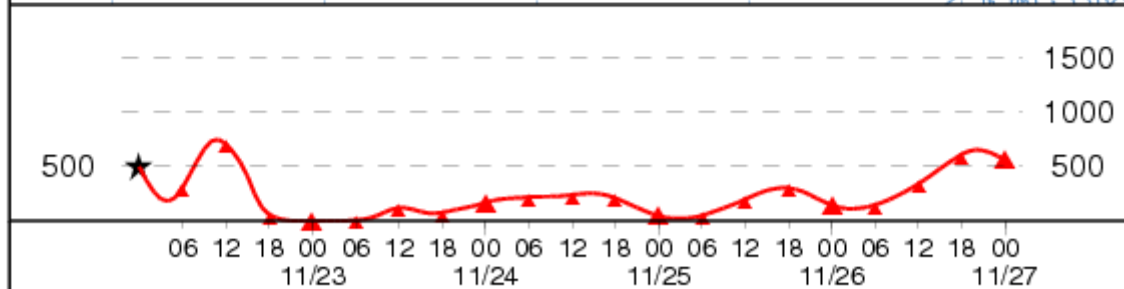
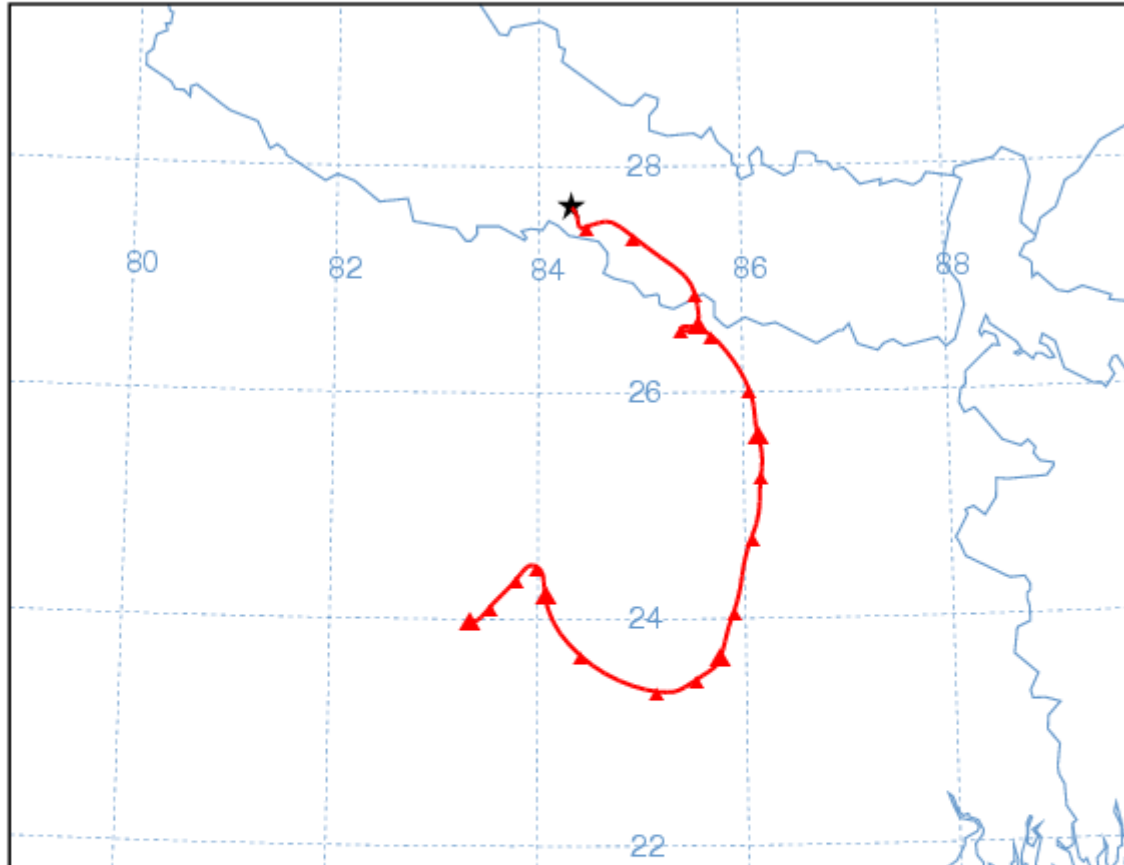
Trajectory Direction: Forward Duration: 120 hrs Meteo Data: GDAS1
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA APL Website (<http://www.arl.noaa.gov/ready/>)



NOAA HYSPLIT MODEL
Forward trajectory starting at 00 UTC 22 Nov 07
GDAS Meteorological Data

Source ★ at 27.64 N 84.33 E

Meters AGL



Job ID: 35703 Job Start: Fri Feb 1 03:49:16 GMT 2008
Source 1 lat.: 27.64 lon.: 84.33 height: 500 m AGL

Trajectory Direction: Forward Duration: 120 hrs Meteo Data: GDAS1
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA APL Website (<http://www.arl.noaa.gov/ready/>)

Langtang

Shisha Pangma

Dorje Lakpa

Phurbi Ghyachu

Chhoaba Bhamare

Gauri Shankar

Melungtse

Chugimago

At ICIMOD: Radiation 580 Watt/sq m. Aerosol Optical Depth = 0.14 at 16 November 2007, 14:00