



EMINDER/ILS Proton to Launch EchoStar VIII

June 21, 2002

REMINDER...for Saturday (June 22)

--(BUSINESS WIRE)--

Payload: EchoStar VIII
Loral 1300 platform
Separated mass: approx. 4,660 kg
(10,270 lbs)

Launch Vehicle: Proton K/Block DM
Weight at liftoff: 691,000 kg
(1.5 million lbs), including payload
Height: 57.2 m (187.7 ft)
Payload fairing: 4.35 m (14.27 ft)
diameter

Launch Date: Saturday, June 22, 2002

Launch Window Opens: 11:15 a.m. Baikonur
9:15 a.m. Moscow
5:15 GMT
1:15 a.m. EDT (USA)

Launch Site: Baikonur Cosmodrome, Kazakhstan
Launch Complex 81, Pad 23

End User: EchoStar Communications Corp.,
Littleton, Colo

Satellite Manufacturer: Space Systems/Loral, Palo Alto,
Calif.

Launch Vehicle Manufacturer: Khrunichev State Research and
Production Space Center, Moscow -
Proton first three stages;
RSC Energia, near Moscow - Block DM
fourth stage

Launch Services Provider: International Launch Services (ILS),
McLean, Va.

Satellite Use: High-powered direct broadcast
satellite to enhance services for
DISH Network(TM), EchoStar's
state-of-the-art DBS entertainment
service

Satellite Statistics: -- 8th satellite in EchoStar
constellation
-- Orbital location: 110 degrees West
longitude
-- Anticipated service life of 15
years

Mission Profile: The Proton launch vehicle will inject the EchoStar VIII satellite into geosynchronous transfer orbit. The first three stages will use a standard ascent trajectory to place the Block DM upper stage with the satellite into a circular parking orbit of 160 km (100 mi), inclined at 51.6 degrees. Then the Block DM will ignite three times to propel the satellite to a transfer orbit of 4,300 km x 35,786 km (2,670 mi x 22,300 mi). Following separation from the Block DM, the spacecraft will perform a series of liquid apogee engine burns to raise perigee, lower inclination and circularize the orbit at the geostationary altitude of 35,786 km (22,300 mi).

Spacecraft Separation: Approximately 6 hours, 36 minutes after liftoff

ILS Mission Statistics: -- 5th ILS mission this year
-- 3rd ILS Proton mission this year
-- 2nd ILS mission for EchoStar in 4 months
-- 24th ILS mission on Proton since formation of the U.S.- Russian joint venture in 1995

Live Broadcast: Telstar 5, transponder 5, C-band, at 97 degrees West Downlink frequency
3800 MHz vertical Signals to begin at 12:30 a.m. EDT

More Information: Live webcast and general mission information will be available on the ILS web site at www.ilslaunch.com. Launch status updates are available on the ILS U.S. domestic Launch Hotline at 800/852-4980.

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