

# ASIASAT 4 122°E

## High performance satellite for region-wide coverage and connectivity



### UNIQUE FEATURES

- Superior satellite platform for video distribution, DTH and broadband networks
- Region-wide C-band coverage over Asia and Australasia
- High-power Ku-band beams for Australasia and East Asia
- Excellent 'look angles' across footprints
- Switching capability of Ku-band transponders for flexible network connectivity
- Transponders with linearisers or gain control amplifiers for optimal performance
- Fleet-wide reliability with full in-orbit backup compatibility

### THE SPACECRAFT

<b>Designed/Built by</b>	Boeing Satellite Systems
<b>Model</b>	Boeing 601HP
<b>Design Life</b>	15 years
<b>Nominal Orbital Location</b>	122°E

### LAUNCH

11 April 2003 by Atlas IIIB rocket from Cape Canaveral, Florida, U.S.A.

### COMMUNICATIONS PAYLOAD

#### C-band

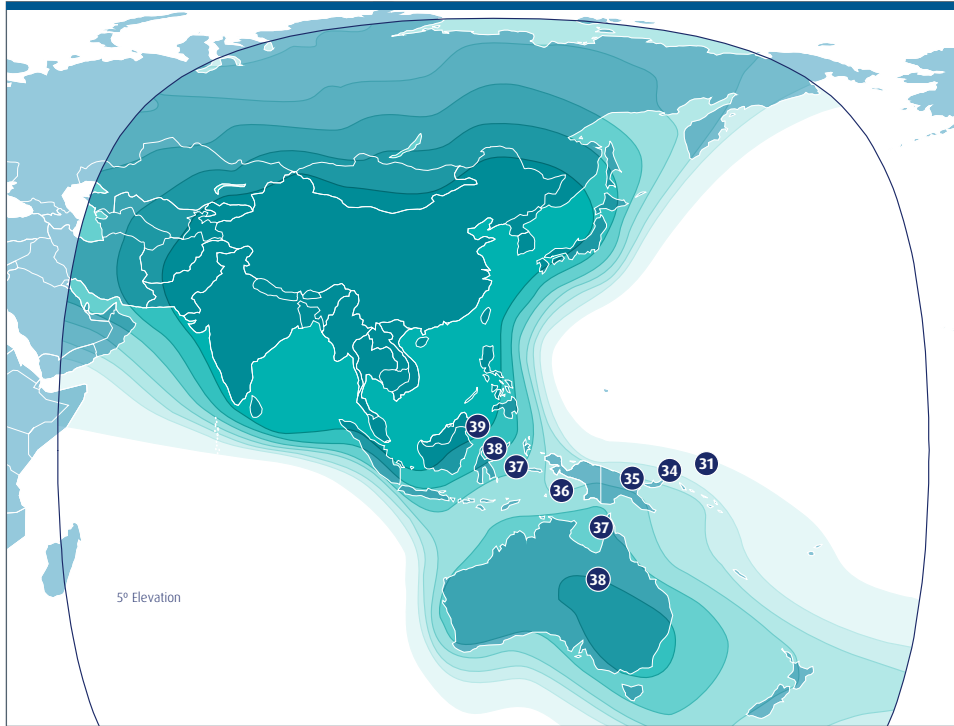
<b>No. of Transponders</b>	28 (linearised)
<b>Transponder Bandwidth</b>	36 MHz
<b>UL/DL Polarisation</b>	Horizontal and Vertical
<b>TWTA Size</b>	55 watts
<b>TWTA Redundancy</b>	34 for 28
<b>Satellite Receiving G/T</b>	0 dB/K max.
<b>Receiver Redundancy</b>	4 for 2

#### Ku-band FSS

<b>No. of Transponders</b>	16 (fixed gain linearised or automatic level control)
<b>Transponder Bandwidth</b>	54 MHz and 33 MHz
<b>UL/DL Polarisation</b>	Horizontal and Vertical
<b>TWTA Size</b>	140 watts
<b>Satellite Receiving G/T</b>	East Asia beam: 8.5 dB/K max. Australasia beam: 5.0 dB/K max.
<b>LNA Redundancy</b>	East Asia beam: 4 for 2 Australasia beam: 2 for 1
<b>Downconverter Redundancy</b>	East Asia and Australasia beams: 5 for 3

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C-BAND EIRP (dBW)



KU-BAND EIRP (dBW)

