

**EchoStar 12 at 61.5W**

12559/21500/18 FS1 shows S/Q, does not show LOCKED

**EchoStar 6 at 61.5W**

12268/20000/18 FS1 shows S/Q, does not show LOCKED

**EchoStar 3 at 61.5W**

12326/20000/18

12414/20000/18

**DirecTV 1R at 72.5W**

12268/20000/18 FS1 shows S/Q, does not show LOCKED

12384/20000/18 FS1 shows S/Q, does not show LOCKED

12559/20000/18 FS1 shows S/Q, does not show LOCKED

**Nimiq 5 at 72.7W**

12370/21500/13 FS1 shows S/Q, does not show LOCKED

12443/21500/18 FS1 shows S/Q, does not show LOCKED

**EchoStar 8 at 77.0W**

12355/22500/18 FS1 shows S/Q, does not show LOCKED

12443/22500/18 FS1 shows S/Q, does not show LOCKED

**EchoStar 4 at 77.0W**

12253/20000/13

12370/20000/13

12428/20000/13

12486/20000/13

**Nimiq 4 at 82.0W**

12443/20000/18

**Nimiq 1 at 91.0W**

12239/20000/18

12282/20000/13

12370/20000/13

12384/20000/18

12443/20000/18

**DirecTV 4S/8 at 101.0W**

12355/20000/18 FS1 shows S/Q, does not show LOCKED

12428/20000/13 FS1 shows S/Q, does not show LOCKED

12501/20000/18 FS1 shows S/Q, does not show LOCKED

12545/20000/13 FS1 shows S/Q, does not show LOCKED

**DirecTV 5 at 109.8W**

12618/20000/18 FS1 shows S/Q, does not show LOCKED

12647/20000/18 FS1 shows S/Q, does not show LOCKED

**EchoStar 10 at 110.0W**

12472/21500/18

**EchoStar 11 at 110.0W**

12224/20000/13

12239/20000/18

12355/20000/18

12428/20000/13

**Anik F3 at 118.8W**

11898/20000/13

11911/20000/18

12033/20000/18

12002/20000/18

12111/20000/13

12124/20000/18

**DirecTV 7S at 119W**

12530/20000/18 FS1 shows S/Q, does not show LOCKED

12603/20000/13 FS1 shows S/Q, does not show LOCKED

**EchoStar 14 at 119W**

12326/20000/18

12341/20000/13

12370/20000/13

12399/20000/13

12414/20000/18

12443/20000/18

12486/20000/13

**129W Ciel 2**

12516/20000/13