



	<i>Redshift 9</i>	<i>Redshift 9 Premium</i>
Number of stars	100.000	2.500.000
Access to GAIA DR3 online catalog (1.8 billion stars)		✓
Access to USNO B 1.0 online catalog (1 billion stars)		✓
Stars with exoplanets		✓
Famous novae and supernovae with animation of changing brightness		✓
Major planets/dwarf planets	8/5	8/5
Moons	26	26
Comets	800	800
Asteroids	4.000	4.000
Asteroid belts	(reduced)	(full)
Access to online databases of asteroids/comets	(medium)	(high)
Constellations	88	88
Deep sky objects	200	70.000
Search for objects in the Redshift database	✓	✓
Object info	✓	✓
Languages	English/German/ French/Russian/ Spanish/Italian/ Dutch/Japanese	English/German/ French/Russian/ Spanish/Italian/ Dutch/Japanese
Dictionary of Astronomy (available in English, German, French and Russian)	✓	✓
Animated lectures "Discover Astronomy"	10 (all languages)	29 (English/German/ French/Russian) 14 (other languages)
Panoramas of the Moon and Mars	✓	✓
New sound and music effects	✓	✓
Daylight view	✓	✓
"Night vision" view	✓	✓

Animated passage of sky objects	✓	✓
Coordinate systems	1	4
Orbits	User selected	Planets/dwarf planets/moons/ user selected
Planetary/lunar mapping (grids, poles, gazetteers)		✓
Setting precise location on the Earth and the Moon	✓	✓
Setting precise location on Sun/planets/moons/ asteroids/comets		✓
Use “Above Surface” and “Follow Orbit” modes for setting a location		✓
3D flights	100	200
Landing on planets and moons		✓
3D models of deep sky objects	40	75
3D models of planets/moons	16	35
3D models of asteroids/comets	11	11
3D models of galaxies (Milky Way and others)		✓
3D area of stars from Hipparcos and Tycho-2 catalog in the Milky Way galaxy		✓
Telescope control, supporting the ASCOM Alpaca standard		✓
Observation planner (with animations)		✓
Today’s celestial events (with animations)	✓	✓
Notifications about today’s events at startup		✓
Sky diary for an arbitrary year (with animations)	Events/solar eclipses/lunar eclipses	Events/solar eclipses/lunar eclipses/ conjunctions/ meteor showers
Maps of solar eclipses		✓
Saving and opening workspaces	✓	✓
Setting a favourite startup workspace		✓
Time interval	1000 AD – 3000 AD	1000 AD – 3000 AD
Download of extended time interval	(not available)	4700 BC – 9999 AD

