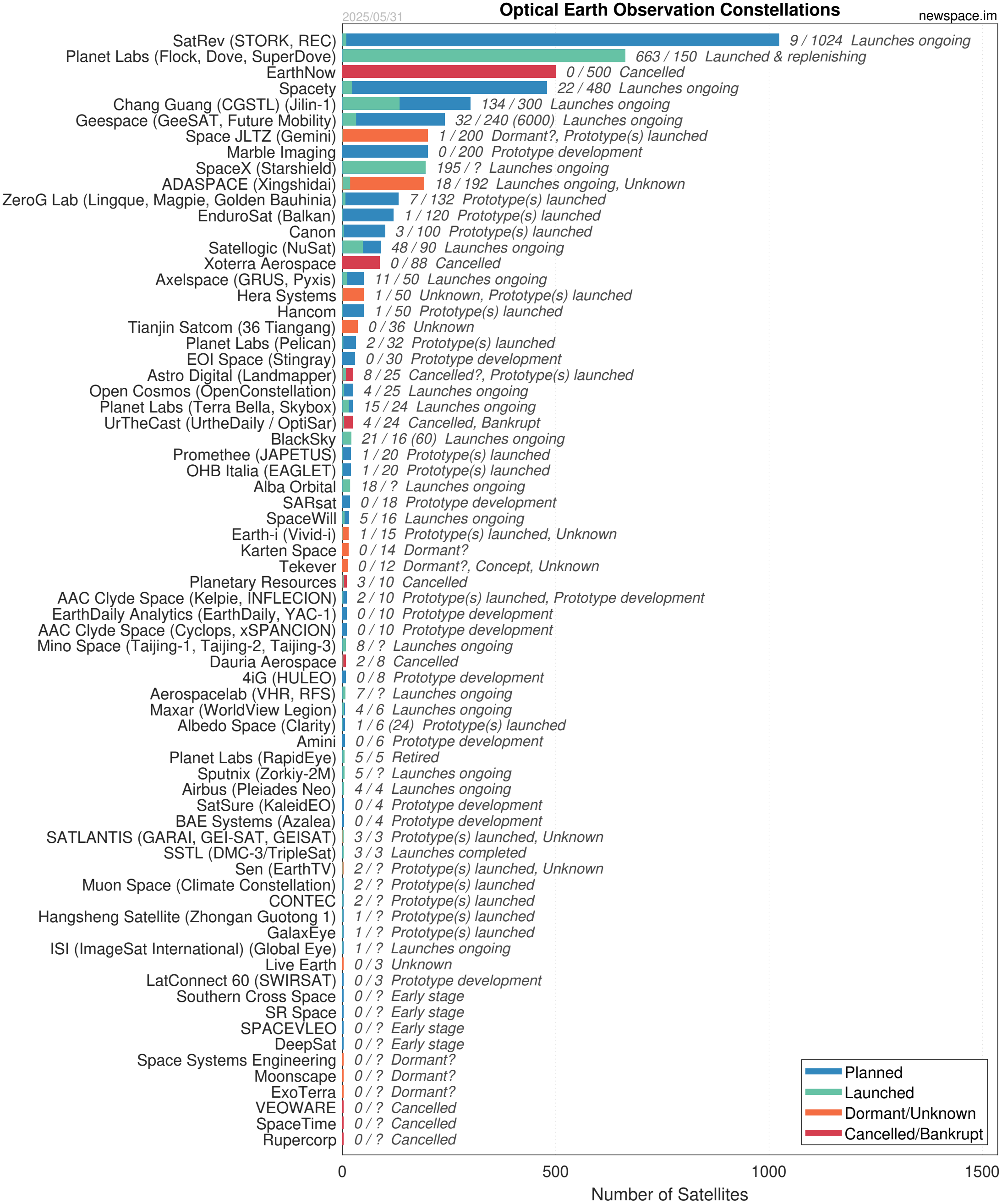
Optical Earth Observation Constellations
2025/05/31
newspace.im
SatRev (STORK, REC) 9 / 1024 Launches ongoing
Planet Labs (Flock, Dove, SuperDove) 663 / 150 Launched & replenishing
EarthNow 0 / 500 Cancelled
Spacety 22 / 480 Launches ongoing
Chang Guang (CGSTL) (Jilin-1) 134 / 300 Launches ongoing
Geespace (GeeSAT, Future Mobility) 32 / 240 (6000) Launches ongoing
Space JLTZ (Gemini) 1 / 200 Dormant?, Prototype(s) launched
Marble Imaging 0 / 200 Prototype development
SpaceX (Starshield) 195 / ? Launches ongoing
ADASPACE (Xingshidai) 18 / 192 Launches ongoing, Unknown
ZeroG Lab (Lingque, Magpie, Golden Bauhinia) 7 / 132 Prototype(s) launched
EnduroSat (Balkan) 1 / 120 Prototype(s) launched
Canon 3 / 100 Prototype(s) launched
Satellogic (NuSat) 48 / 90 Launches ongoing
Xoterra Aerospace 0 / 88 Cancelled
Axelspace (GRUS, Pyxis) 11 / 50 Launches ongoing
Hera Systems 1 / 50 Unknown, Prototype(s) launched
Hancom 1 / 50 Prototype(s) launched
Tianjin Satcom (36 Tiangang) 0 / 36 Unknown
Planet Labs (Pelican) 2 / 32 Prototype(s) launched
EOI Space (Stingray) 0 / 30 Prototype development
Astro Digital (Landmapper) 8 / 25 Cancelled?, Prototype(s) launched
Open Cosmos (OpenConstellation) 4 / 25 Launches ongoing
Planet Labs (Terra Bella, Skybox) 15 / 24 Launches ongoing
UrTheCast (UrtheDaily / OptiSar) 4 / 24 Cancelled, Bankrupt
BlackSky 21 / 16 (60) Launches ongoing
Promethee (JAPETUS) 1 / 20 Prototype(s) launched
OHB Italia (EAGLET) 1 / 20 Prototype(s) launched
Alba Orbital 18 / ? Launches ongoing
SARsat 0 / 18 Prototype development
SpaceWill 5 / 16 Launches ongoing
Earth-i (Vivid-i) 1 / 15 Prototype(s) launched, Unknown
Karten Space 0 / 14 Dormant?
Tekever 0 / 12 Dormant?, Concept, Unknown
Planetary Resources 3 / 10 Cancelled
AAC Clyde Space (Kelpie, INFLECION) 2 / 10 Prototype(s) launched, Prototype development
EarthDaily Analytics (EarthDaily, YAC-1) 0 / 10 Prototype development
AAC Clyde Space (Cyclops, xSPANCION) 0 / 10 Prototype development
Mino Space (Taijing-1, Taijing-2, Taijing-3) 8 / ? Launches ongoing
Dauria Aerospace 2 / 8 Cancelled
4iG (HULEO) 0 / 8 Prototype development
Aerospacelab (VHR, RFS) 7 / ? Launches ongoing
Maxar (WorldView Legion) 4 / 6 Launches ongoing
Albedo Space (Clarity) 1 / 6 (24) Prototype(s) launched
Amini 0 / 6 Prototype development
Planet Labs (RapidEye) 5 / 5 Retired
Sputnix (Zorkiy-2M) 5 / ? Launches ongoing
Airbus (Pleiades Neo) 4 / 4 Launches ongoing
SatSure (KaleidEO) 0 / 4 Prototype development
BAE Systems (Azalea) 0 / 4 Prototype development
SATLANTIS (GARAI, GEI-SAT, GEISAT) 3 / 3 Prototype(s) launched, Unknown
SSTL (DMC-3/TripleSat) 3 / 3 Launches completed
Sen (EarthTV) 2 / ? Prototype(s) launched, Unknown
Muon Space (Climate Constellation) 2 / ? Prototype(s) launched
CONTEC 2 / ? Prototype(s) launched
Hangsheng Satellite (Zhongan Guotong 1) 1 / ? Prototype(s) launched
GalaxEye 1 / ? Prototype(s) launched
ISI (ImageSat International) (Global Eye) 1 / ? Launches ongoing
Live Earth 0 / 3 Unknown
LatConnect 60 (SWIRSAT) 0 / 3 Prototype development
Southern Cross Space 0 / ? Early stage
SR Space 0 / ? Early stage
SPACEVLEO 0 / ? Early stage
DeepSat 0 / ? Early stage
Space Systems Engineering 0 / ? Dormant?
Moonscape 0 / ? Dormant?
ExoTerra 0 / ? Dormant?
VEOWARE 0 / ? Cancelled
SpaceTime 0 / ? Cancelled
Rupercorp 0 / ? Cancelled
Planned
Launched
Dormant/Unknown
Cancelled/Bankrupt
0
500
1000
1500
Number of Satellites