



Australia's National
Science Agency

NovaSAR-1 Acronyms

July 2023

| Acronym | Definition |
|------------------|--|
| A/D | Analog-to-digital |
| ACMA | Australian Communications and Media Authority |
| AEST | Australian Eastern Standard Time |
| AGP | AOCS Ground Processor |
| AIM | AOCS Interface Module |
| AIS | Automatic Identification System |
| AIT | Assembly, Integration and Test |
| AOCS | Attitude and Orbit Control System |
| AOI | Area of Interest |
| API | Application Programming Interface |
| APM | Antenna Pointing Mechanism |
| ARD | Analysis Ready Data |
| ASTI | Advanced Science and Technology Institute |
| ATNF | Australia Telescope National Facility |
| AWS | Amazon Web Services |
| BNSC | British National Space Centre |
| CASS | CSIRO Astronomy and Space Science |
| CCEO | Centre for Earth Observation |
| CCSDS | Consultative Committee for Space Data Systems |
| CEOS | Committee on Earth Observation Satellites |
| CEOS-ARD | Committee on Earth Observation Satellites - Analysis Ready Data |
| CfAT | Centre for Appropriate Technology |
| COTS | Commercial-Off-The-Shelf |
| CSIRO | Commonwealth Scientific and Industrial Research Organisation |
| dB/K | Decibel per Kelvin (unit) |
| DEM | Digital Elevation Model |
| DHuS | Data Hub System |
| DMC | Disaster Monitoring Constellation |
| DOST | (Republic of the Philippines) Department of Science and Technology |
| DOST-ASTI | DOST - Advanced Science and Technology Institute |
| DRFS | Direct Radio Frequency Sampling |
| EEZ | Exclusive Economic Zone |
| EO | Earth Observation |
| ESA | European Space Agency |
| EULA | End User License Agreement |
| GeoTIFF | Geospatial Tagged Image File Format |
| GeoTIFF | Georeferenced TIFF |
| GHz | Giga Hertz (unit) |
| GIS | Geographic Information Systems |
| GMT | Greenwich Mean Time |
| GPS | Global Positioning System |
| GRD | Ground Range Detected |
| GS | Ground Station |
| GSD | Ground Sample Distance |
| GUI | Graphical User Interface |
| HH | Horizontal Horizontal (polarisation) |

| | |
|------------------|---|
| HPC | High Performance Computing |
| HSDR | High Speed Data Receiver |
| HV | Horizontal Vertical (polarisation) |
| IFP | Image Formation Processor |
| InSAR | Interferometric SAR |
| IRF | Impulse Response Function |
| ISRO | Indian Space Research Organisation |
| ITU | International Telecommunications Union |
| kg | Kilogram (unit) |
| km | Kilometre (unit) |
| KML | Keyhole Markup Language |
| KMZ | Zipped KML files with a .kmz extension |
| L1 | Level 1 |
| LEO | Low Earth Orbit |
| LEOP | Launch & Early Operations Phase |
| LTAN | Local Time Ascending Node |
| MHz | Mega Hertz (unit) |
| MLD | Multi Look Detect |
| MOOC | Massive Open Online Course |
| NASA | National Aeronautics and Space Administration |
| NESZ | Noise Equivalent Sigma Zero |
| NNF | NovaSAR-1 National Facility |
| NovaSAR-S | Previous name for NovaSAR-1 |
| NRB | Normalised Radar Backscatter |
| NSC | NovaSAR-1 Steering Committee |
| NUC | NovaSAR-1 User Committee |
| OPAL | Online Proposal Applications & Links |
| PDF | Portable Document Format |
| PFS | Product Family Specification |
| PSLR | Peak Sidelobe Ratio |
| RADAR | Radio Detection And Ranging |
| RF | Radio Frequency |
| RPS | Range Pixel Spacing |
| RT | Real-Time |
| RTE | Real-Time Earth |
| S/C | Spacecraft |
| SAR | Synthetic Aperture Radar |
| SHP | Geospatial vector data format for geographic information system |
| SLC | Single Look Complex |
| SNAP | Sentinel Application Platform |
| SRD | Slant Range Detect |
| SSO | Sun-Synchronous Orbit |
| SSTL | Surrey Satellite Technology Limited |
| TAC | Time Assignment Committee |
| TERN | Terrestrial Ecosystem Research Network |
| TIF | Tag Image File Format |
| TIFF | Tag Image File Format |

| | |
|-------------|------------------------------------|
| TLE | Two-Line Element |
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| UK | United Kingdom |
| UKSA | United Kingdom Space Agency |
| UTC | Universal Time (Co-ordinated) |
| VAP | Value Added Product |
| VH | Vertical Horizontal (polarisation) |
| VHF | Very High Frequency |
| VV | Vertical Vertical (polarisation) |
| XML | eXtensible Markup Language |

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