

Glossary

Acronyms Used in the Text

AAS	American Astronomical Society
ACA	ALMA Compact Array (Morita Array)
ACAST	NSF Advisory Committee on Astronomical Sciences
ACC	ALMA Coordinating Committee
ACR	ALMA Cost Review
ADC	Analogue to Digital Converter
ADCR	ALMA Delta Cost Review
ADMiT	ALMA Data Mining Toolkit
AEC	ALMA Executive Committee
AEG	Antenna Evaluation Group
AEM	Alcatel Space France, European Industrial Engineering S.r.L., MAN consortium
AIPS	Astronomical Imaging Processing System
AIV	Assembly, Integration, and Verification
ALG	ALMA Liaison Group
ALMA	Atacama Large Millimeter/submillimeter Array
AMAC	ALMA Management Advisory Committee
ANID	Agencia Nacional de Investigación y Desarrollo [Chile]
AOS	Array Operations Site
APEX	Atacama Pathfinder Experiment
ARC	ALMA Regional Center
ARI-L	Additional Representative Images for Legacy
ASA	ALMA Science Archive
ASAC	ALMA Scientific Advisory Committee
ASIAA	Academia Sinica Institute of Astronomy and Astrophysics [Taiwan]
ASP	Astronomical Society of the Pacific
ASPECS	ALMA Spectroscopic Survey
AST	NSF Division of Astronomical Sciences
ASTE	Atacama Submillimeter Telescope Experiment
ATWG	Antenna Technical Working Group

AU	Astronomical Unit
AUI	Associated Universities Inc.
AURA	Associated Universities for Research in Astronomy
AXAF	Advanced X-ray Astronomy Facility
BEC	Business Evaluation Committee
BIMA	Berkeley-Illinois-Maryland Association
BN	Bienes Nacionales [Chile]
BUS	Back Up Structure
CAC	Contract Award Committee
Caltech	California Institute of Technology
CARMA	Combined Array for Research in Millimeter-wave Astronomy
CARTA	Cube Analysis and Rendering Tool for Astronomy
CASA	Common Astronomy Software Applications
CDL	Central Development Laboratory [NRAO]
CERN	Organisation Européenne pour la Recherche Nucléaire
CfA	Center for Astrophysics
CFRP	Carbon-Fiber-Reinforced Plastic
CfT	Call for Tender
CNRS	Centre National de la Recherche Scientifique [France]
CoC	ESO Committee of Council
CONICYT	Comisión Nacional de Investigación Científica y Tecnológica [Chile]
CSC	Contract Selection Committee
CSO	Caltech Submillimeter Observatory
CSV	Commissioning and Science Verification
CTIO	Cerro Tololo Inter-American Observatory
DSHARP	Disk Substructures at High Angular Resolution
EA	East Asia [ALMA Partner]
EACC	Extended ALMA Coordinating Committee
EU	European [ALMA Partner]
EHT	Event Horizon Telescope
EIE	European Industrial Engineering Consortium
EIS	Environmental Impact Statement
ELT	Extremely Large Telescope
ESO	European Southern Observatory
ESSCO	Electronic Space Systems Corporation
EVALSO	Enabling Virtual Access to Latin American Southern Observatories
EVLA	Expanded Very Large Array
FC	Finance Committee [ESO]
FCRAO	Five College Radio Astronomy Observatory
FIU	Florida International University
GA	Gaz Atacama
GBT	Green Bank Telescope
GIPSY	Groningen Image Processing System
GISS	Goddard Institute for Space Studies
GMC	Giant Molecular Cloud

GMT	Giant Magellan Telescope
HCRO	Hat Creek Radio Observatory
HEMT	High Electron Mobility Transistor
HIAA	Herzberg Institute of Astronomy and Astrophysics [Canada]
HST	Hubble Space Telescope
IAU	International Astronomical Union
IEEE	Institute of Electrical and Electronics Engineers
IfA	Institute for Astronomy [U. Hawaii]
IPT	Integrated Project Team
IRAM	Institute de Radio Astronomie Millimétrique
IRAS	Infrared Astronomy Survey
IS	International Staff
ISM	InterStellar Medium
ITU-R	International Telecommunication Union Radio Communication Sector
JAO	Joint ALMA Office
JATG	Joint Antenna Technical Group
JCMT	James Clerk Maxwell Telescope
JDG	Joint Development Group
JTET	Joint Technical Evaluation Team
KSAI	Korea Space Science Institute
LCO	Las Campanas Observatory
LMA	Large Millimeter Array
LSMA	Large Millimeter Submillimeter Array
LMT	Large Millimeter Telescope
LPG	Liquified Petroleum Gas
LS	Local Staff
LSA	Large Southern Array
MAPS	Molecules with ALMA at Planet-Forming Scales
MELCO	Mitsubishi Electric Company
MEXT	Ministry of Education, Culture, Sports, Science, and Technology [Japan]
MIRIAD	Multichannel Image Reduction, Image Analysis, and Display
MIT	Massachusetts Institute of Technology
MMA	Millimeter Array
MOU	Memorandum of Understanding
MPIA	Max Planck Intitute für Astronomie
MPIfR	Max Planck Institut für Radioastronomie
MPS	Mathematics and Physical Sciences Division of the NSF
MRE	Major Research Equipment
MREFC	Major Research Equipment and Facilities Construction
MWL	Millimeter Wave Laboratory [U. Chile]
MWO	Millimeter Wave Observatory
NA	North America [ALMA Partner]
NAOJ	National Astronomical Observatory of Japan
NAFTA	North American Free Trade Act
NAPRA	North American Program in Radio Astronomy

NASA	National Aeronautics and Space Administration
NCMR	NSF Cost/Management Review
NEON	National Ecological Observatory Network
NFRA	Netherlands Foundation for Radio Astronomy
ngVLA	Next Generation Very Large Array
NINS	National Institutes of Natural Science [Japan]
NMA	Nobeyama Millimeter Array
NOAO	National Optical Astronomy Observatory
NOEMA	NOthern Extended Millimetre Array
NRA	National Rifle Association
NRAO	National Radio Astronomy Observatory
NRC	National Research Council [Canada]
NRO	Nobeyama Radio Observatory
NSB	National Science Board
NSF	National Science Foundation
NWO	Netherlands Research Council
OLPA	Office of Legislative and Public Affairs [NSF]
OSF	Operations Support Facility
OSO	Onsala Space Observatory
OVRO	Owens Valley Radio Observatory
OWL	OverWhelmingly Large telescope
QUARRY	QUabbin ARRaY receiver
PAI	Project Acceptance In-house
PAS	Provisional Acceptance On-Site
PILS	Protostellar Interferometric Line Survey Protostellar Interferometric Line Survey
PRT	Proposal Receipt Team
PWV	Precipitable Water Vapor
RCL	Radioastronomía Chajnantor Limitada
REBELS	Reionization-Era Bright Line Emission Survey
RFP	Request for Proposals
ROW	Right of Way
SAC	Science Advisory Committee
SAO	Smithsonian Astrophysical Observatory
SCO	Santiago Central Office
SCUBA	Submillimetre Common-User Bolometer Array
SEQUOIA	Second QUabbin Optical Imaging Array
SEST	Sweden-ESO Submillimetre Telescope
SETI	Search for ExtraTerrestrial Intelligence
SIRTF	Space Infrared Telescope Facility (Spitzer)
SIS	Super Conductor-Insulator-Superconductor
SKAO	Square Kilometer Array Observatory
SMA	SubMillimeter Array
SMT	SubMillimeter Telescope [U. Arizona]
SOKENDAI	Graduate University for Advanced Studies

SONG	Survey of Normal Galaxies
STC	ESO's Science and Technology Committee
SUBTEL	Telecommunications Subsecretary of Chile
SUNY	State University of New York
TAC	Technical Advisory Committee
TMT	Thirty Meter Telescope
UCh	Universidad de Chile
UK	United Kingdom
US	United States
VA	Vertex Antennentechnik
VLA	Very Large Array
VLBA	Very Long Baseline Array
VLBI	Very Long Baseline Interferometry
VLT	Very Large Telescope
WBS	Work Breakdown Structure
WSU	Wideband Sensitivity Upgrade

Abbreviations for Journals

A&A	Astronomy and Astrophysics
AJ	Astronomical Journal
ApJ	Astrophysical Journal
ApJL	Astrophysical Journal (Letters)
ApJS	Astrophysical Journal Supplement
ASPC	Astronomical Society of the Pacific Conference (Series)
ASR	Advances in Space Research
BAAS	Bulletin of the American Astronomical Society
JAHH	Journal of Astronomical History and Heritage
JRASC	Journal of the Royal Astronomical Society of Canada
LNP	Lecture Notes in Physics
MNRAS	Monthly Notices of the Royal Astronomical Society
PASJ	Publications of the Astronomical Society of Japan
PASP	Publications of the Astronomical Society of the Pacific
PhRvL	Physical Review Letters
PJAB	Proceedings of the Japan Academy, Series B

Citation Abbreviations for NRAO/AUI Archives Material

NAA	NRAO/AUI Archives
NAA-AUI	NRAO/AUI Archives, Records of Associated Universities, Inc.
NAA-NRAO	NRAO/AUI Archives, Records of the National Radio Astronomy Observatory
NAA-PVB	NAA/NRAO, Papers of Paul A. Vanden Bout
NAA-RLB	NAA/NRAO, Papers of Robert L. Brown