AdVirgo Abbreviations and Acronyms

Abbreviation / Acronym	Expansion	Meaning / Explanation	Context
AA	Automatic Alignment		
AAAS	American Association for the Advancement of Science		General
AC	AC readout coupling		Channel system
AC	AC signal		
AC	Acoustic probe		Channel subsignal
AC	Alternating Current		Channel signal
ACA	Actuator CAge	a rigid frame attached to F7	
ACC	ACCelerometer	a device that measures proper acceleration	Channel signal
ACIGA	Australian Consortium for Interferometric Gravitational Astronomy		General
ACL	Algorithms for Control and Locking		
ACWP	Actual Cost of Work Performed		General
ADC	Analog-to-Digital Converter		General
ADCU	Analogue Data Collection Unit		General
ADE	Advanced Detector Era		
AdV	Advanced Virgo		General
AdVirgo	Advanced Virgo		
AEI	Albert Einstein Institute		
AI	Alignment		Channel subsystem
Alp	Automatic Locking processes signals		General
ALP	Automation of the Locking Procedure		Channel system
ALS	Auxiliary Laser System		
AM	Amplitude Modulation		
AMC	Advanced Mezzanine Card		General
AMU	Atomic Mass Unit		General
ANU	Australian National University		
AOC	Adaptive Optics Compensation		General
AOI	Angle Of Incidence		General
AOM	Acousto-Optic Modulator		General
API	Application Programming Interface		
AR	Anti-Reflective		Channel location
ARM	Advanced RISC Machine		Detector characteristics
ASC	Alignment Sensing and Control		General
ATM	Asynchronous Transfer Mode		General
ATR	Acceptance Test Report		
B#	optical Beam number #		Channel location
B1	Beam at dark fringe port, after OMC		Channel location
B1p	Beam at dark fringe port, before OMC		Channel location
B1s	Beam at dark fringe port, reflected by OMC		Channel location
B2	Beam going back to the laser, between IMC and EOM		Channel location
B5	Beam from North arm reflected by second face of BS (beam in PRC)		Channel subsystem
B7	Beam in West arm cavity	communications protocol	General

B8	Beam in North arm cavity		General
BAB	Bright Alugnment Beam		General
BBH	Binary Black Hole		
BC	Beam Control		Channel location
BD	BuilDing		Channel location
BDCE	Central Building		Channel location
BDNE	North End Building		Channel location
BDWE	West End Building		Channel location
BH	Black Hole		Channel location
BH-BH	Black Hole - Black Hole binary		Channel location
BJ	Beam Jitter		Advanced Squeezer
BMS	Beam Monitoring System		Sources
BNS	Binary Neutron Stars		Channel subsystem
BPC	Beam Pointing Control		Operations
BRDF	Bidirectional Reflectance Distribution Function		Detector hardware
BRMSMon	Band Root Mean Square Monitor		Channel location
BRS	BuRSt		Channel location
Bruco	Brute-force coherence		Channel location
Bs	Beam source signals (Injection system signals)		
BS	Beam Splitter		Channel location
BSD	Band Sampled Data		Sources
BUFFALO	Brute-force Utilities For Finding Annoying Lines and Others		Sources
C0	C0 building		
C27	Crate 27 of photodiodes		Detector characteristics
Ca	Calibration: the process of converting differential arm length changes into h(t)		Channel subsystem
CACR	Center for Advanced Computer Research (Caltech)		
CAL	CALibrations		Channel signal
CALVA	CAvites pour le Lock de Virgo Avance		
CARM	Common Arm		Detector characteristics
CB	Central Building		Channel signal
CBC	Compact Binary Coalescence		
CC	Computing Center		
CC	Coherent Control		
CC	Corrective Coating		Detector characteristics
CCB	Change Control Board		
CCB	Coherent Control Beam		Channel location
CCD	Charged Coupled Device		Channel system
CCO	Commissioning COordinator		Channel location
CDR	Conceptual Design Review		
CDRL	Contract Data Requirements List		Channel location
CE	Central Building		Channel location
CEB	Central Building		Channel location
CHRoCC	Central Heating Radius of Curvature Correction		Channel location
CIT	California Institute of Technology		Channel location

CITF	Virgo Central INTerferometer		Channel location
CMRF	Common Mode Rejection Factor		Detector characteristics
CMRR	Common Mode Rejection Ratio		
CMT	Configuration Management Tool		Channel location
CNRS	Centre National de la Recherche Scientifique		Channel location
COAR	Coarse actuator		Detector characteristics
COM	instrumental COMmunication		Channel system
COM	Center Of Mass		General
COMP	COMPensator		Channel signal
corr	correction		
CP	Compensation Plate		
CR	Coil Relay		Channel location
CT	CryoTrap		
CVS	Concurrent Version-control System		General
CW	Continuous Wave		Advanced Squeezer
cWB	coherent WaveBurst		
DA	Data Analysis		
DAA	Data Analysis and Astronomy		General
DAC	Digital-to-Analog Converter		
DACO	Data Analysis COordinator		General
DAG	Directed Acyclic Graph		
DAG	Data Analysis Group		General
DAQ	Data AcQuisition		General
DARM	Differential ARM Length		Computing
DAS	Double Axicon System		Channel location
DASWG	Data Analysis Software Working Group		
DB	Detection Bench		
DBS	Dichroic Beam Splitter		General
DC	Continuous part of the signal	6 m arm length test interferometer	
DC	Direct Current		
DCC	Document Control Center		General
DDS	Direct Digital Synthesizer		Detector characteristics
DE	Detection		
DET	DETection Subsystem		
DetChar	Detector Characterization		Channel signal
DL	Detection Lab		Detector characteristics
DL	Down Left		Channel signal
DLC	Diamond-Like Carbon		
DM	Detector Monitoring		
DMRO	Differential Mode Read-Out		
DMS	Detector Monitoring System		
DOF	Degree(s) Of Freedom		Detector characteristics
DOP	Detector OPeration		Detector characteristics
DQ	Data Quality		

DQR	Data Quality Report		Channel subsystem
DQSEGDB	Data Quality SEGments Data Base		
DR	Down Right		Channel location
DRR	Design Requirements Review		Analysis
DS	Data Segment		General
DSP	Digital Signal Processing		General
DT	Detection Tower		General
DTCHR	DeTector CHaRacterization		General
E2E	End-To-End modelling (interferometer simulation)		General
EB	End Building		General
EDB	External Detection Bench		Analysis
EDL	Electronic Detection Laboratory		Analysis
EE	Electronic Equipment	data collection	
EGO	European Gravitational Observatory		General
EIB	External Injection Bench		Channel location
EIB	Laser Injection Bench		
EIB-SAS	External Injection Bench-Seismic Attenuation System		
EIB#	External Injection Bench number #		Analysis
Elog	Entry logbook		
EM	Electro Magnetic		Advanced Squeezer
EM	End Mirror, for the arm cavities		Channel subsystem
EMC	ElectroMagnetic Compatibility		
EMI	ElectroMagnetic Interference		Channel subsignal
END	IMC END-mirror		Operations
ENEB#	External North End Bench number #		General
ENS	ElectroNics and Software		Detector characteristics
ENV	ENVironmental monitoring system		Detector characteristics
EO	Electro-Optical		Detector hardware
EOB	Effective One-Body		Channel subsystem (aLIGO)
EOBNR	Effective One-Body from Numerical Relativity		Advanced Squeezer
EOM	Electro-Optic Modulator		Channel subsystem
EPI	External Pre-Isolator		
EPICS	Experimental Physics and Industrial Control System: the computer system used to control operation of the LIGO detectors		
EPR	Einstein-Podolsky-Rosen		Channel location
EPRB#	External Power Recycling Pickoff Bench number #		Channel location
EQ	EarthQuake		
ERD	Effective Ringdown frequency		Channel subsystem
ESD	Electro-static Discharge		General
ESIB	External Squeezer and Injection Bench		
ESQB	External SQueezer Bench		Analysis
ETF	Engineering Test Facility		
ETG	Event Trigger Generator		
ethinca	Elliptical Thinking Inspiral Coincidence Analysis: method by which multiple-IFO time-coincident triggers are analysed in parameter-space		Analysis

ETM	End Test Mass		
ETM	End Test Mass		
EXCAVATOR	Algorithm for finding correlations between triggers and the value of an auxiliary channel		Channel subsystem
EXT	EXTernal		General
f	frequency		
F#	Filter number #		General
F0	First Filter of the Suspension chain		Channel signal
F7	Filter 7		
FAC	Facility Modifications		
FAP	False Alarm Probability: a statistic used to rank detection candidates against the background events		Channel location
FAR	False Alarm Rate: a statistic used to rank detection candidates against the background events		Detector characteristics
Fbf	Fast Frame Builder		General
Fbm	Main Frame Builder		General
FBM	main Frame Builder (Frame Builder, Main)		
Fbs	Slow Frame Builder		
FBS	slow Frame Builder (Frame Builder, Slow)		
Fd	Frame distribution		
FDR	Final Design Review		
FDS	Frequency Dependent Squeezing		
FEA	Finite Element Analysis		Channel location
FF	Far-Field		
FFh	Far Field horizontal		
FFL	Frame File List		
FFT	Fast (Discrete) Fourier Transform		
FFv	Far Field vertical		General
FI	Faraday Isolator		
FIFO	First In First Out		
FIR	Finite Impulse Response		
FIS	Frequency Independent Squeezer		
Flux	air Flux in HVAC system		
Fmod	Frequency of modulation		
FOM	Figure Of Merit		
FOM1	Figure Of Merit 1		General
FP	Fabry-Perot		General
FPGA	Field-Programmable Gate Array		Channel location
FRD	Fundamental Ringdown frequency		General
FREQ	FREQuency		General
FSR	Free Spectral Range		General
FTE	Full Time Equivalent		
GALVO	GALVANOmeter		
GAS	Geometric Anti-Springs		CBC
Gc	Global control		Detector characteristics

GCN	Gamma-ray burst Circular Network		General
GFAL	Grid File Access Library		Advanced Squeezer
GIPC	Global Inverted Pendulum Control		Advanced Squeezer
GMST	Greenwich Mean Sidereal Time		General
GN2	Gaseous Nitrogen		Detector characterisation
GO	General Optics		Analysis
GPS	Global Positioning System		General
GPU	Graphical Processing Unit		
GR	Gravitational		Channel mirror
GraceDB	Gravitational wave candidate event DataBase		Channel mirror
GRB	Gamma-Ray Burst		Channel location
GUI	Graphical User Interface		Channel signal
GW	Gravitational Waves		
GWDAW	Gravitational Wave Data Analysis Workshop		Channel signal
GWIC	Gravitational Wave International Committee		
Gx	Galaxy Server		Channel location
h	horizontal		
HED	Higher EDucation		Channel signal
HF	High Frequency	from 0 to 7	
HOFT	H OF T		Channel subsystem
HOM	High Order Mode	Last Filter of the Suspension chain, also defined as steering filter	Channel subsystem
HP	High Power		General
HPBD	High Power Beam Dump		Analysis
HPIO	High Power Input Optics		Analysis
HPSS	High Performance Storage System (IBM)	system used to build frames from fast channels	Channel subsystem
HR	High Reflectivity		Channel subsystem
Hrec	h reconstruction		
HSF	High Spatial Frequency	system used to build frames from slow channels	Channel subsystem
HU	Humidity		
HV	High Vacuum		
HVAC	Heating, Ventilation and Air Conditioning		General
HVeto	Heirarchical Veto: analysis of time-coincident triggers between auxiliary channels and gravitational wave channel		
HWII	HardWare Inventory and Installation database		
HWP	Half Wave Plate	for quadrants/optical levers	
HWS	Hartmann Wavefront Sensor		Channel subsystem
I	In-phase component of demodulated signals		
I2C	Inter Integrated Circuit		General
IB	Injection Bench		Channel subsystem
IBJM	Input Beam Jitter Monitoring		
IBMS	Input Beam Monitoring System		
ID	Inertial Damping		Channel signal
IFAR	Inverse False Alarm Rate		Detector characteristics
IGWD	Interferometric Gravitational Wave Detector		

IM	Input Mirror		
IMAC	Infrastructure and air conditioning		Analysis
IMBHB	Intermediate Mass Black Hole Binary		
IMC	Input Mode Cleaner		Detector hardware
IME	Infrastructure Modifications for Environmental noise reduction		Operations
IMMS	Infrastructure Machine Monitoring System		Channel subsystem
IMPAN	small computing cluster at Institute of Mathematics, Poland		Channel mirror
IMR	Inspiral-Merger-Ringdown		Channel mirror
IN2P3	Institut National de Physique Nucléaire et de Physique des Particules		
inca	Inspiral Coincidence Analysis		
INF	INFrastructure subsystem		CBC
INFN	Istituto Nazionale di Fisica Nucleare		
INJ	INJection subsystem		Channel subsignal
INS	INStrumental		Detector characteristics
INSA	French National Institute for Applied Science		Human resources
IP	Inverted Pendulum		Channel signal
IPC	Input Power Control		Detector characteristics
IPS	Interruptible Power Supply		
IPSCB	Voltmeter on IPS power line, in DAQ room		
IRIG-B	Inter-Range Instrumentation Group type B		Channel system
ISC	Interferometer Sensing and Control		Sources
ISCO	Innermost Stable Circular Orbit		Channel subsystem
ISYS	Injection SYStem		General
IT	Information Technology		
IT	Injection Tower		
ITF	InTerFerometer		Detector characteristics
ITM	Input Test Mass		Computing
IVC	Intermediate Vacuum Chamber		General
kpc	Kiloparsec		
KTF	potassium terbium fluoride		
KW	Kleine-Welle: excess power trigger generation algorithm, run online in low-latency on the gravitational wave and auxiliary channels		General
La	Laser		General
LAR	Laser Atrium Room		
LAS	LASer		
LB	Large Baffle		General
LB	Laser Bench		General
LC	Local Control		
LDAS	LIGO Data Analysis System		Channel location
LDB	LIGO Data Base		General
LDG	LIGO Data Grid		General
LDR	LIGO Data Replicator		Channel system
LED	Light-Emitting Diode		
Lhe	Liquid Helium		Channel location

LHO	LIGO Hanford Observatory		
Li	Spectral line injected on suspension lower stage		General
LIGO	Laser Interferometer Gravitational-wave Observatory		General
LISA	Laser Interferometer Space Antenna: future space-borne gravitational wave observatory		Detector hardware
LL	Laser Lab	h(t), h as a function of t – time	
Llab	Laser laboratory		
LLO	LIGO Livingston Observatory		
LLR	Laser-Lab Room		
LMA	Laboratoire des Matériaux Avancés		
LMR	Laser Minitower Room		General
LMXB	Low-Mass X-Ray Binary		
LN2	Liquid Nitrogen		Channel system
LRD	Lorentzian Ringdown frequency		
LSC	LIGO Scientific Collaboration		Detector hardware
LSC	Length Sensing and Control		Channel subsystem
LSF	Low Spatial Frequency		
LV	LSC-Virgo		General
LVC	LIGO-VIRGO Collaboration		Detector characteristics
LVDS	Low Voltage Differential Signal		
LVDT	Linear Variable Differential Transducer		Advanced Squeezer
LVK	LIGO-Virgo-KAGRA collaboration		
LZH	Laser Zentrum Hannover		Channel signal
M1h	Mirror 1 horizontal motion		
M1v	Mirror 1 vertical motion		
MA	Magnetic probe		Detector hardware
MAG	MAGnetometer		Channel subsystem
MAR	MARionetta		Channel location
MBTA	Multi-Band Template Analysis		Channel location
MC	Mode Cleaner		Channel location
MCB	Mode Cleaner Building		
MDC	Mock Data Challenge		
MEDM	Motifs Editor and Display Manager		
METEO	weather station, METEOrological station		Analysis
MFLOPS	Million Floating-point Operations Per Second		Detector hardware
MGASF	Monolithic Geometrical Anti-Spring Filter		General
MIC	MICrophone		
MICH	short MICHelson interferometer		Detector characteristics
MICH	Michelson	for the arm cavities	
MIMO	Multiple Input, Multiple Output		Channel system
MIR	MIRror		
MIX	MIXing thing, in the HVAC	triangular cavity used to clean beam from PSL before entering main IFO	Channel location
ML	Master Laser		
MMT	Mode Matching Telescope		
MOD	Modulator		

MOPA	Master Oscillator-Power Amplifier		CBC
MOU	Memorandum Of Understanding		CBC
Mpc	Megaparsec		Channel signal
MPI	Message Passing Interface		Analysis
MRE	Major Research Equipment		
MSC	Mirror Suspension Control		
MSPS	Mega-Samples Per Second		
MSRC	Marginally Stable Recycling Cavities		
MTBF	Mean Time Before Failure		Channel subsytem (AdvLIGO)
N2	North tube section 2		General
NAP	Noise Analysis Package		Operations
NBI	Neutron star Binary Inspiral		Channel subsystem
NDPF	collection of services for high-throughput data processing at Nikhef		Detector characteristics
NDRC	Non-Degenerate Recycling Cavity		
NE	North End		
NEB	North End Bench		Channel location
NEBD	North End Building		
NEDB	North End Detection Bench		Detector characteristics
NF	Near Field		Sources
NI	North Input		Detector characteristics
NIKHEF	Dutch National Institute for Subatomic Physics		Detector characteristics
NM	Noise Monitor		
NMAPI	Noise Monitor Application Programming Interface		
NN	Newtonian Noise		
NoEMi	Noise frequency Event Miner		
NonNA	Non-linear Noise Analysis		
NORM	NORMalized		Detector characteristics
NS	Neutron Star		Channel mirror
NTP	Network Time Protocol		Channel mirror
OB	(suspended) Output Bench		
OFI	Output Faraday Isolator		General
OL	Optical Lever		General
OLTF	Open Loop Transfer Function		
OMC	Output Mode Cleaner		Channel signal
OMC-MMT	Output Mode Cleaner Mode Matching Telescope	see also reference for Quad Terms	
Omicron	not an acronym, 15th letter of the Greek alphabet		Operations
ONASYS	Online Analysis System		Channel subsystem
Oo	Output optics		Analysis
OPA	Optical Parametric Amplifier		Analysis
OPC	OPtical Characterization		
OPD	Optical Path Difference		
OPL	Optical Path Length		Operations
OPLL	Optical Phase Locked Loop		General

OPO	Optical Parametric Oscillator		
OPT	OPTics	This one is used more often	
OSB	Operations Support Building		
OSD	Optical Simulation and Design subsystem		Analysis
OUT	OUTreach		Computing
PAC	Program Advisory Committee		Computing
PAY	PAYload subsystem		Computing
PBS	Polarizer Beam Splitter		Detector hardware
Pcal	Photon calibrator		
PCI-X	PCI-eXtended		
PCIe	PCI-express		General
PD	Photodiode		Channel subsystem
PDH	Pound-Drever-Hall		General
PDR	Preliminary Design Review		General
PDRR	Preliminary Design Requirements Review		Channel location
PDT	Photodetector		Channel subsignal
PE	cold cathode		
PI	Picomotor		General
PI	Pirani		
PLC	Programmable Logic Controller		
PLL	Phase Locked Loop		
PM	Project Management		Sources
PMC	Pre-Mode Cleaner		
PMP	Project Management Plan		Channel signal
PO	Pick-Off		Channel subsignal
POL	Polarized beam		CBC
POP	PickOff Plate		General
POSD	Position Sensing Device		Channel subsystem
POT	PickOff Telescope		
PPKTP	Periodically Poled KTP		
Ppm	Parts per million		
PPS	Pulse Per Second		General
Pr	Photo-diode read-out		
PR	Power Recycling		General
PRC	Power Recycling Cavity		Channel location
PRCL	Power Recycling Cavity Length		Channel location
PRES	PRESsure		Channel location
PRM	Power Recycling Mirror		General
PRNE	Pressure in North End tower		General
PSD	Power Spectral Density		Channel subsystem
PSD	Position Sensing Device		Channel subsystem
PSDf	Position Sensing Device		Channel subsystem
PSDi	Position Sensing Device		
PSDm	Position Sensing Device		

PSDt	Position Sensing Device		Analysis
PSL	Pre-Stabilized Laser		Channel location
PSS	Periodic Source Search		Channel mirror
PSTAB	Power stabilization		Channel mirror
PTF	Physical Template Families		Channel mirror
PV	Peak-to-Valley		
PyCBC	Python for CBC		General
PZT	PieZo-electric Transducer		Computing
Q	Quadrature-phase component of demodulated signals		Detector characteristics
Qa	Quadrant photodiode for alignment		
Qc	Detector monitoring and data quality		Detector hardware
QD	Quadrant Detector		Computing
QND	Quantum Non-Demolition		Detector hardware
QNT	Quantum Noise reducTion		Detector hardware
QPD	Quadrant PhotoDiode		
QRPN	Quantum Radiation Pressure Noise		
QSN	Quamtum Shot Noise		Channel location
RA	Right Ascension		General
RC	Recycling Cavity		
RDA	Raw Data Archiving		Channel system
REFL	REFLection		
RESP	RESPonsabilities in collaboration		Channel location
REU	Research Experience for Undergraduates		
RF	Radio Frequency		Channel mirror
RFC	ReFerence Cavity		Channel mirror
RFCRef	ReFerence Cavity Reflected beam		Channel mirror
RFP	Request For Proposal		Channel subsystem
RGA	Residual Gas Analyzer		Channel location
RH	Ring Heater		Channel subsignal
RIN	Relative Intensity Noise		General
RM	Reference Mass		General
RMS	Root Mean Square		Sources
RoC	Radius of Curvature		General
RSE	Resonant Sideband Extraction		General
RSE	Resonant Sideband Extraction		
RTL	Round Trip Losses		
RTP	Rubidium Tytanil Phosphate		
RTPC	Real-Time PC		
SA	Super Attenuator		Channel location
Sa	Super attenuator		Channel location
SAFE	SuperAttenuator Facility at EGO		Channel location
SAP	Sapphire Core Optics		
SAS	Seismic Attenuation System		Sources
SAS	Special Airlock System		Computing

SAT	SuperATtenuator subsystem		
SATCS	SuperATtenuator Control System		
SB	Stochastic Background	tower/suspension/mirror/probe	Channel location
SBE	Suspended BEnches subsystem		Channel location
SBL	Single BLock data format		Channel location
Sc	Suspension control		Channel location
SCADA	Supervisory Control And Data Acquisition		Channel subsystem
SDB	Suspended Detection Bench	tower/suspension/mirror/probe	Channel location
SDB1	Suspended Detection Bench 1		
SDB2	Suspended Detection Bench 2		
SE	Seismic probe		
SEI	SEIsmic isolation and suspensions		
SEIS	SEISmometer		
Seismon	Seismic monitor		
SEM	Secondary Emission Monitor		
SER	SERial data		Channel location
SF	Standard Filter		Sources
SFI	Squeezer Faraday Isolator		Detector characteristics
SFP	Small Form factor Pluggable		
SFP	Scanning Fabry-Perot optical device		Channel location
SFT	Soft Fourier Transform		Advanced Squeezer
SGWB	Stochastic Gravitational-Wave Background		Channel signal
SIB	Suspended Injection Bench		
SIB1	Suspended Injection Bench 1		
SIB2	Suspended Injection Bench 2	bow-tie cavity used to clean output beam of IFO for DC readout	Channel location
SiC	Silicon Carbide		
SILeNTe	System Identification Linear et Nonlinear Techniques	software to investigate transient noise	
SIOM	Shanghai Institute of Optical Materials		Analysis
SISO	Single Input Single Output		Channel system
SL	Slave Laser		Computing
SLC	Stray Light Control		Advanced Squeezer
SLC	Stray Light Control subsystem		
SLED	Superluminescent Diode (Super LED)		General
SM	Single-Mode		
SMA	SubMiniature version A connector		Advanced Squeezer
SMS	Slow Monitoring Station		Channel signal
SNC	interferometer SeNsing and Control		Advanced Squeezer
SNEB	Suspended North End Bench		
SNR	Signal-to-Noise Ratio		General
SNR	Signal to Noise Ratio		
SPD	SPeeD		Detector characteristics
SPK	SPoKesperson		
SPL	Sound Pressure Level		Channel signal
SPR	Software Problem Report		Channel signal

SPRB	Suspended Power Recycling pickoff Bench		General
SQB	SQueezer Board		
SQZ	vacuum SQueeZing		Advanced Squeezer
SR	Signal Recycling		Channel location
SRC	Signal Recycling Cavity		
SRCL	Signal Recycling Cavity Length		Channel location
SRM	Signal Recycling Mirror		
SSFS	Second Stage of Frequency Stabilization		
SSO	Single Sign On		Channel subsignal
STAMP	Stochastic Transient Analysis Multi-detector Pipeline		
Stol	Raw data storage		General
SUP	Support Equipment		General
SURF	Summer Undergraduate Research Foundation		General
SUS	SUSpension system		
SVN	SubVersioN		Channel subsystem
SW	Switch (of photodiode for locking input signal)		Channel signal
SWEB	Suspended West End Bench		Channel location
TAMA	Japanese Interferometric Gravitational-Wave Project		
TB	Terabytes		
TB	Tube		
TB	central area Technical Building		Advanced Squeezer
TBC	To Be Confirmed		General
TCP/IP	Transmission Control Protocol/Internet Protocol		Channel location
TCS	Thermal Compensation System subsystem		General
TCS	Thermal Compensation System		Channel location
TDBox	Timing Distribution Box		Channel system
TDR	Technical Design Report		
TDS	Technical Documentation System		
TE	TEmperature		
TF	Transfer Function		Channel signal
TFB	TOLM Frame Builder		Channel signal
TGG	Terbium Gallium Garnet		
thinca	Thinking Inspiral Coincidence Analysis		Channel signal
TiM	Timing		
TIM	TIMing system		Detector Hardware
TIS	Total Integrated Scattering		Channel system
TM	Technical Manager	angle around horizontal axis in the plane of the mirror	Channel subsystem
TM	Test Mass	angle around vertical axis	Channel subsystem
TO	Tower	angular motion, around horizontal axis perpendicular to the mirror	Channel subsystem
To	Tower vacuum system		Advanced Squeezer
TOLM	Timing and Optical Link Module		Detector characteristics
TOLM-PCI	Timing and Optical Link Module, Peripheral Component Interconnect		Detector characteristics
TOLM-PMC	Timing and Optical Link Module, PCI Mezzanine Card		Channel subsignal
TRA	TRAnsmission		General

TSP	Titanium Sublimation Pump		Detector characteristics
Tu	Tube vacuum		
TX	Theta X		Detector characteristics
Ty	Theta Y		Channel subsignal
tz	theta z	direction pointing up	
UGF	Unitary Gain Frequency	pointing up	
UHV	Ultra High Vacuum		
UL	Upper Limits		
UL	Upper-Left		Channel subsystem
UPS	Uninterruptible Power Supply		General
UR	Upper-Right		
v	vertical		General
V	Vertical direction		General
V	Voltage		Detector characteristics
V+	Virgo+		General
VAC	VACuum system		
VCO	Voltage Controlled Oscillator		
VCS	Virgo Common Software		
VDAS	Virgo Data Analysis Software		
VDB	Virgo Database		
VEB	Virgo Editorial Board		
VIC	Virgo Interferometer Channels database		General
VIM	Virgo Interferometer Monitor		
Virgo	not an acronym, sixth constellation of the zodiac		Detector characteristics
VLAN	Virgo Local Area Network		Channel location
VME	Versabus Module Eurocard		
VRS	Virgo Reference System		General
VSR#	VIRGO Scientific Run # (e.g. VSR1 is VIRGO Scientific Run 1)		Channel signal
VSR4	Virgo Scientific Run 4		General
W2	West tube section 2		Channel signal
WAB	West Arm Building		
WAN	Wide Area Network	tower/suspension/mirror/probe	Channel location
WBS	Work Breakdown Structure		Channel location
WDF	Wavelet Detection Filter		Channel location
WE	West End		Channel location
WEB	West End Bench		Channel location
WEBD	West End Building	tower/suspension/mirror/probe	Channel location
WEDB	West End Detection Bench		Channel signal
WI	West Input		Injections
WNB	White Noise Burst		Channel subsystem
WNWS	Wind North-South		Channel location
WT	West Tower		Channel location
WUI	Web User Interface		Channel subsystem
x	horizontal motion in the mirror's plane		

X	horizontal direction perpendicular to optical axis		Channel subsystem
y	vertical motion in the mirror's plane		Channel signal
Y	vertical direction		
z	longitudinal motion (along the beam direction)		Channel subsystem
Z	horizontal direction along optical axis		
Zeus	lightning detection		Channel subsystem

AdVirgo Abbreviations and Acronyms   **16 October 2019**