Verdict: Open or Not?	Name	Category - Purpose	Expanded Name	Purpose
Yes	abal	amplitude_mod	(Amplitude BALance)	perform various trace- and gather-based amplitude balances.
Yes	apin	amplitude_mod		to identify avo anomalies and their avo class type
Yes	avopcomp	amplitude_mod		emphasizes gradient anomalies
Yes	clip	amplitude_mod	(CLIP noise spikes.)	clip or zero samples exceeding a specified absolute amplitude.
Yes	dbgain	amplitude_mod		apply an exponential (db/s) gain to trace data.
Yes	eagc	amplitude_mod		apply agc to an gather based on analysis of gather amplitude.
Yes	exo	amplitude_mod	(EXpansion by Offset)	calculate/apply time-varying expansion, uniform for each offset.
Yes	gdiv	amplitude_mod	(Geometric DIVergence correction)	apply amplitude gain to compensate for geometric spreading.
Yes	mds	amplitude_mod	(Median DeSpike)	despike samples exceeding some factor times the local median.
Yes	mute	amplitude_mod		kill undesirable samples at top or bottom of trace.
Yes	mvxp	amplitude_mod		a median-based trace balance for relative amplitude processing.
Yes	norm	amplitude_mod	(Normalize Traces)	applies a multiplicative scale factor to traces.
Yes	scab	amplitude_mod	(Surface Consistent Amplitude Balance)	calculate and apply a surface consistent amplitude balance.
Yes	scale	amplitude_mod	(SCALE seismic traces)	operate on seismic trace samples using a general formula.
Yes	setmute	amplitude_mod		set the head mute header word based on an amplitude threshold.
Yes	telav	amplitude_mod	(Trace Edit by Largest Absolute Value)	automatic trace editing based on trace largest absolute value.
Yes	tpow	amplitude_mod	(Scale traces by Time raised to a POWer)	scale trace values by a t**pwr * exp(beta*t) factor.
Yes	xp	amplitude_mod		xp rescales trace samples to balance amplitudes.
Yes	acorr	diagnostics	(AutoCORRelation)	computes the autocorrelations of windowed trace data.
Yes	ampdg	diagnostics	(Amplitude Diagnostic)	various ways of analyzing amplitude behavior of seismic data.
Yes	avagrad	diagnostics	(AVA GRADient products)	generate various ava gradient related products.
Yes	dist	diagnostics	(DISTribution function)	calculate distribution function of trace or header values.
Yes	headsum	diagnostics	(HEADer word SUMmary)	summarize range of all header word values.
Yes	tdmp	diagnostics	(Trace DuMP)	dump (print) headers and/or trace samples of selected traces.
Yes	valuedump	diagnostics		dump trace values to file.
Yes	c4wle	filters	(4th order Cumulant Wavelet Estimation)	wavelet estimation by fourth order cumulant method.
Yes	cnearts	filters		create and insert missing near offset traces.
Yes	decon	filters	(DECONvolution)	time domain predictive (statistical) deconvolution.
Yes	dsig	filters		deterministically remove (or apply) source signature.
Yes	eda	filters	(Edge Detection Attribute)	calculate edge detection attribute on 3d seismic volumes.
Yes	eda3d	filters	(3D Edge Detection Attributes)	calculate edge detection attributes from 3d data volume.
Yes	fbal	filters	(Frequency BALance)	perform window oriented time varying spectral normalization.
Yes	fdtp	filters		generate filter panels.
Yes	fkap	filters	(raise F-K Amplitudes to a Power)	coherence enhancement by raising f-k amplitudes to a power.
Yes	fkfilt	filters	(F-K Filter)	perform 2d f-k filtering of trace gathers or sections.
Yes	fkdecon	filters	(F-K Decon coherence enhancement)	2d coherence enhancement by the f-x deconvolution method.
Yes	genfilt	filters	(GENeral FILTer)	general frequency domain filter and wavelet building process.
Yes	iq	filters	(Inverse Q correction filter)	removes amplitude and phase effects of constant q attenuation.
Yes	madc	filters	(Multiple Attenuation by Downward Continuation)	2d multiple attenuation by downward continuation.
Yes	mdip	filters		dip filtering by modeling dips in tau-p space.
Yes	mix	filters	(Simple 3D Mix)	mix traces in x and y directions and in time.
Yes	mtfun	filters	(Multiple Transfer Function Process)	compute transfer functions between standard traces and sets of
Yes	mxpc	filters	(Minimum or Zero Phase Conversion)	perform minimum or zero phase conversion of embedded signatures.
Yes	offt3c	filters		polarization filter on motlocalized k-f filter on p data
Yes	qest	filters	(Estimates Q(t) from surface seismic data.)	estimates q(t) attenuation function from surface seismic data.
Yes	reg2d	filters	(2D Regularization)	regularize 2d streamer shot profiles.
Yes	regbin	filters	(regularize binning)	regularize the binning of traces.
Yes	rfab	filters	(Residual Phase Balance)	balance event phases in cmp gathers.
Yes	rmul	filters		remove multiples by radon modeling and subtraction.
Yes	scdecon	filters	(Surface Consistent DECONvolution)	2d and 3d surface consistent deconvolution and amplitude scaling.
Yes	sdip	filters	(Semblance Dip Mix)	coherence enhancement by mixing along dominant dip direction.
Yes	tsvf	filters	(Time and Space Varying Filter)	perform time and space varying frequency filtering.
Yes	tvf	filters	(Time Varying Filter)	perform time and head mute varying bandpass frequency filtering.
Yes	vc	filters		correlate vibroseis field data with recorded sweep.
Yes	chart	headers	(generate ground position or stacking chart)	generate a ground position or stacking chart from trace headers.
Yes	elev	headers	(Elevation information entry process)	enter elevation information in selected header word.
Yes	fgd	headers		apply header information from a .jd file built by cfg, print
Yes	fgdrev	headers	(reverse FGD)	create a field geometry file (.jd) from trace headers.
Yes	headcheck	headers	(check headers)	check trace headers for validity.
Yes	headmap	headers	(HEADer word MAPping function)	set values for any header word based on values from another.
Yes	headswap	headers	(swap a pair of trace headers)	this process swaps trace header values of two input traces.
Yes	mgd	headers	(Marine Geometry Description)	generate and apply headers for 2d marine lines with simple
Yes	resth	headers	(RESTore Headers)	restore headers for traces processed by dmo or bs migration.
Yes	select	headers		select traces to kill, delete, etc. by header word criteria.
Yes	setpoly	headers	(Set a header word if a trace is inside a polygon)	set a header word if a trace is inside a polygon.
Yes	setword	headers	(SET Header WORDs)	reset header word values based on various calculations.
Yes	tredit	headers	(TRace EDit)	edit traces according to information in a tredit file or byfil
Yes	ahtin	io	(Ascii Trace Input)	read traces from an ascii file.
Yes	ahtot	io	(Ascii Trace Output)	write traces to an ascii file.
Yes	cops	io		prepare grid files for permanent save.
Yes	pickset	io		set picks into headers from refraction statics pick file.
Yes	trin	io	(TRace INput from disk)	read seismic traces from one or more disk files.
Yes	trinsort	io	(TRIN with trace sort)	read trace files in desired sorted order using trace file table.
Yes	trot	io	(TRace OuTput to disk)	write seismic traces to one or more disk files.
Yes	ttrin	io		tape input of seismic traces from magnetic tape
Yes	ttrio	io		tape input of seismic traces from magnetic tape
Yes	ttrot	io		write trace data to magnetic tape.
Yes	vtrin	io		input a velocity file as input traces
Yes	cxdmo	migrations		perform common offset dmo on 2d data.
Yes	dabra	migrations	(analyse Dip and ABRA horizon slices)	analyze and edit a combo of input horizon slices for tomography.
Yes	dmap3d	migrations		data mapping of 3-d data.
Yes	dmo3d	migrations	(3D DMO macro)	macro for performing dmo on 3d data.
Yes	drc	migrations	(2-D wave-equation Data ReConstruction)	reconstruct an offset from traces in the same and nearby cmps.
Yes	fkmig	migrations	(F-K Time MIGration)	2d zero-offset f-k time migration (stolt or cascaded).
Yes	ka	migrations	(Kombo Analysis)	analyze and edit a combo of input data volumes for tomography.
Yes	kdmo	migrations		perform anti-aliasing dmo on nmo corrected data.
Yes	pstmig	migrations		phase shift, fk and cascaded fk migration and modeling.
Yes	stretch	migrations	(Stolt Trace Stretch)	apply stolt trace stretch for f-k and phase-shift migrations.
Yes	adpsub	miscellaneous		perform adaptive subtraction.
Yes	cleanup	miscellaneous		automatically delete disk files using jobfile commands.
Yes	combine	miscellaneous	(Combine trace pairs)	combine trace pairs with a simple mathematical operation.
Yes	ezcheck	miscellaneous		report differences between input and test dataset
Yes	fill	miscellaneous	(Fill in missing traces)	place a dead trace in any bin not occupied by a live trace.
Yes	flexbin	miscellaneous		perform flexbinning of pre-stack data.
Yes	fxema	miscellaneous		multiple prediction.
Yes	job_data	miscellaneous		job-oriented parameter entry for parameters specific to the job.
Yes	kastats	miscellaneous	(Trace Statistics for KA)	derive statistics from seismic traces for the ka process.
Yes	masker	miscellaneous	(mask traces)	mask seismic traces by setting masked values to nil.
Yes	pairmerge	miscellaneous		merge a pair of traces into a single trace.
Yes	project_data	miscellaneous		project-oriented parameter entry for project-specific parameters
Yes	randgth	miscellaneous	(Randomize traces within a gather)	randomize traces within a gather.
Yes	ranline	miscellaneous	(random line)	trace interpolation from random 3d locations to a random line.
Yes	rcpout	miscellaneous		transfer disk files to a remote node via rcp.
Yes	reg	miscellaneous	(REGularize trace data)	reg performs various regularizing operations on input gathers.
Yes	slab	miscellaneous		replaces trace sample amplitudes by a statistic within windows.
Yes	slice	miscellaneous	(SLICE through headers or time values)	characterize traces falling into each bin of a 2d bin array.
Yes	slicer	miscellaneous	(slice traces)	slice 3d seismic trace volumes along horizons.
Yes	tvstats	miscellaneous	(Trace Statistics)	derive statistics from seismic traces.
Yes	tlwt	miscellaneous	(Time SELect)	change the time range of traces.
Yes	utel	miscellaneous	(you tell it what to do)	perform miscellaneous trace-oriented tasks.
Yes	color	plot	(COLOR plotting)	generate a color plot file.
Yes	kplt	plot	(Section PLoT)	plot a section of seismic traces.
Yes	bunch	sorts		bunch traces in ensembles to improve parallel process i/o.
Yes	dmoprep	sorts	(Prepare 3D Data for 2D Style DMO)	dmoprep is designed to prepare 3d data for a 2d style 3d dmo.
Yes	gather	sorts		a simple process to gather traces.
Yes	seldmo	sorts		select traces for dmo or stack from an input swath of lines.
Yes	tablesave	sorts	(trace file table save)	create a trace file table for a trace file output by trot.
Yes	tablesort	sorts	(trace file table sort)	read, sort, and save a trace file table in desired order.
Yes	tslc	sorts	(Time-SLiCe)	create time-slice and header-slice traces from a 3d volume.
Yes	tslice	sorts		put time slices to the trace flow and/or a data file.
Yes	tsort	sorts	(Trace SORT)	sort traces by header word values.
Yes	ungather	sorts		a simple process to ungather traces.
Yes	avastf	stacks		produce various amplitude vs. angle (ava) stacks.
Yes	comp	stacks	(COMPosite traces)	general trace compositing process.
Yes	ffava	stacks	(Fluid Factor AVA method)	generate "fluid factor" ava trace displays
Yes	gstack	stacks	(generalized stack)	generalized stack
Yes	gstk	stacks	(Gatherless STacK)	stack traces without requirement of sorting into stack gathers.
Yes	gvs	stacks	(Graded Velocity Stack)	apply graded or constant velocity nmo corrections to cmp gathers
Yes	hrzstk	stacks		to align and stack reflections such as waterbottom events.
Yes	stk	stacks	(STacK traces)	sum seismic traces with a common header word, then scale output.
Yes	cbyt	stand-alone		Seismic viewing tool.
Yes	cfe	stand-alone		Build work flows and save them, submit jobs, build jobs, run programs.
Yes	cfebld	stand-alone		Build stand-alone jobs from a work file.
Yes	cfesub	stand-alone		Submit jobs to the queuing system
Yes	cfg	stand-alone		Field geometry tool
Yes	cxv	stand-alone		Cube slice viewer
Yes	ezcps	stand-alone		Build a code template for a process
Yes	exgui	stand-alone		Build the GUI for a process
Yes	cps	stand-alone		
Yes	cxmon	stand-alone		Monitor system activity and jobs
Yes	parallelCPS_guide	stand-alone	(Guide for using CPS parallel jobs)	a guide for building and using cps parallel jobs.
Yes	va	stand-alone		Velocity analysis tool
Yes	cc3d	statics		3d composite correlation statics.
Yes	cfds	statics	(Calculate Floating Datum Shifts)	convert total statics to pre-nmo and post-nmo shifts.
Yes	fish	statics	(File Shift)	2d and 3d surface-consistent residual statics process.
Yes	grab	statics	(GRAB static values.)	copy values from a header word to a static file, or vice versa.
Yes	irms	statics	(Iterative CMP Residual Statics)	iterated 2d and 3d surface consistent residual statics process.
Yes	rmfs	statics	(Model-Free Refraction Statics)	2d and 3d model-free refraction statics solution program.
Yes	rtc	statics	(Residual Time Correction)	non-surface consistent trim statics process for 2d.
Yes	shft	statics	(SHIFT traces by static)	apply static shift to traces.
Yes	sisc	statics	(Static Increments by Stacked Correlations)	2d (and perhaps 3d) surface consistent residual statics process.
Yes	adns	synthetics	(Add Noise)	adds white noise to traces.
Yes	gsynmod	synthetics		set modeling parameters for modeling programs
Yes	hsyn	synthetics	(Horizontally layered SYNthetic)	produce avo synthetics in x-t, tau-p or angle domain.
Yes	hsynmod	synthetics	(Horizontally layered SYNthetic)	produce avo synthetics in x-t, tau-p or angle domain.
Yes	msyn	synthetics		generate random number traces for testing.
Yes	spike	synthetics		generate synthetic traces.
Yes	syntbp	synthetics	(Synthetics for Broadcast Pattern testing)	generate synthetic traces for broadcast pattern testing.
Yes	tpick	synthetics		pick events and compute ava curves.
Yes	cfan	transforms	(Complex Trace ANalysis)	perform complex trace (hilbert transform) analysis.
Yes	fkp	transforms	(Generate F-K Plane Traces)	produce f-k amplitude traces for generating f-k color plots.
Yes	modmo	transforms		time to depth model-based moveout.
Yes	modmo2d	transforms		time to depth 2-d model-based moveout.
Yes	nmo	transforms	(Normal MoveOut correction)	to apply or remove nmo corrections to seismic data.
Yes	off2ang	transforms		transform from offset depth to offset angle or reverse.
Yes	oh2off	transforms		convert tau-ph gathers to time-offset gathers
Yes	res	transforms	(RESample)	resample seismic data by decimating or interpolating the trace
Yes	slst	transforms	(SLant STack)	transform seismic data both ways between (x,t) and (p,tau)
Yes	spct	transforms	(calculate trace SPeCTra.)	transform input traces to amplitude and phase spectrum traces.
Yes	splt	transforms	(Spline Trace Interpolator)	2d horizontal trace interpolation using a sinc function.
Yes	tdc	transforms		time to depth conversion.
Yes	tfatt	transforms	(Time-Frequency Attributes)	generate t-f spectra or t-f attributes of input traces.
Yes	ava	velocity_analysis		to perform rmo analysis
Yes	avamo	velocity_analysis		analysis of long array moveout
Yes	avoans	velocity_analysis		avo alternate norm suite (avoans).
Yes	avocorr	velocity_analysis		perform avo correlation matching
Yes	avonrm	velocity_analysis		avo normalization (avonrm).
Yes	avosts	velocity_analysis		avo standard suite (avosts).
Yes	avovan	velocity_analysis		avo and velocity analysis (avovan) process.
Yes	avovit	velocity_analysis		avo and velocity iteration (avovit).
Yes	hvel	velocity_analysis	(Horizon based Velocity analysis)	horizon based semblance velocity analysis for 2d and 3d.
Yes	sva	velocity_analysis	(Semblance Velocity Analysis)	semblance stacking velocity analysis of cmp gathers.
Yes	trmo	velocity_analysis		residual moveout
Yes	tsmute	velocity_analysis		muting of the top salt
Yes	ttrmo	velocity_analysis		three term moveout
Yes	veledit	velocity_analysis		edit velocity function traces.
Yes	vpick	velocity_analysis		automatic stacking velocity picking of input cmps.
Yes	vtrim	velocity_analysis		optimize nmo on nmo-corrected cmp gathers.