```
  2005
Print S_value
  Mon, May 2, 2005

// Get the part of str that matches regExprStr
SplitString/E=",.*," "stuff in front,second value,stuff at end"
Print S_value
  ,second value,
```

See Also

Regular Expressions on page IV-176 and **Subpatterns** on page IV-186.

sscanf, **Grep**, **strsearch**, **str2num**, **RemoveEnding**, **TrimString**

SplitWave

SplitWave [*flags*] *srcWave*

The SplitWave operation creates new waves containing subsets of the data in *srcWave* which must be 2D or greater.

The newly generated waves have lower dimensionality than *srcWave*. The operation is ideal for splitting 2D waves into constituent columns, 3D waves into their layers, etc.

Added in Igor Pro 7.00.

Flags

/DDF=*destDataFolder*	Specifies the data folder where the generated waves are created. If the data folder does not exist the operation creates it. If the /DDF flag is not used, output goes into the current data folder.
/FREE	Generates free output waves. The /OREF flag must also be used when the /FREE flag is used. When you use this flag there is no need to use either /N or /NAME.
/N=*baseName*	Provides the base name for all output waves. The waves will be named sequentially, i.e., baseName0, baseName1...
/NAME=*strList*	*strList* is a semicolon-separated list of wave names to be used as the names of the output waves. If *strList* contains fewer names than the number needed, the operation terminates and returns an error. If the output data folder is the data folder containing *srcWave* then *strList* must not contain the name of *srcWave*. Only simple names, not full paths, are allowed in *strList*.
/NOTE	Copies the wave note, if any, from *srcWave* to the output waves. The /NOTE flag was added in Igor Pro 8.00.
/O	Permits overwriting of existing destination waves. Overwriting *srcWave* is not permitted.
/OREF=*waveRefWave*	*waveRefWave* is a wave reference wave. SplitWave stores a wave reference for each of the output waves in *waveRefWave*. If the specified *waveRefWave* already exists it is overwritten and its size is changed as appropriate. If it does not already exist, it is created by the operation.
/SDIM=*n*	Specifies the dimensionality of the output waves. By default this is 1 less than the dimensionality of *srcWave*. The minimum value is *n*=1 which results in 1D output waves.
/Z[=*z*]	/Z or /Z=1 prevents procedure execution from aborting if there is an error. Use /Z if you want to handle this case in your procedures rather than having execution abort. /Z=0: Same as no /Z at all. This is the default. /Z=1: Same as /Z alone.