

# Multi datastream recording names

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# Multi-stream recording name standard

- File-Naming Conventions

<https://vlbi.org/wp-content/uploads/2019/03/049.1b-Filenaming-conventions.pdf>

- `<exp name>_<station code>_<scan name>`

`[_<aux info1>_<aux info2>...].<file type>`

- `<aux info>` - (optional) auxiliary information field(s) in format 'ccppp' where 'cc' is a standardized 2-char identifier for information and 'ppp' is the information value in some specified standardized format

- VEX 2 DATASTREAMS block

[https://safe.nrao.edu/wiki/bin/view/VLBA/Vex2doc#A\\_61\\_36DATASTREAMS\\_61\\_Block\\_40New\\_for\\_VEX2\\_41](https://safe.nrao.edu/wiki/bin/view/VLBA/Vex2doc#A_61_36DATASTREAMS_61_Block_40New_for_VEX2_41)

- \$DATASTREAMS;

```
def VDIF_8000-1Thr16Ch;
    datastream = &DS1 : VDIF : DS1;
    thread = &DS1 : &thread0 : 0 : 16 :
            64.000 Ms/sec : 2 : real : 8000;
    channel = &DS1 : &thread0 : &CH03 : 0;
    . . .
```

Parameter	Field	Description	Type	Allowed values	Units	Comments
datastream	1	Datastream link	&link			
	2	Datastream format	char	VDIF   VDIF_legacy		VDIF_legacy is the 16-byte dataframe header
	(3)	Datastream label	char			See note 5

- 5. Datastream labels can be used to specify meta-information that may be needed to keep track of different streams recorded by one recorder.

- Use `<aux info>` to identify the data stream recorded
- 'ccppp': use 'ds' for the 'cc' and the label for the 'ppp'
- Example: `n22c1_ef_no0001_dsds1`