

DATA TYPES

1/ FESTIVAL_MASKING structure

```
st = {FESTIVAL_MASKING,
```

```
    ; Masking ON/OFF ?  
    _maskingON: 0B,  
    _sunXCenter: 0.0d,  
    _sunYCenter: 0.0d,  
    _sunRadii: 0L}
```

_masking: value is 1B when masking is on. 0B otherwise.

_sunXcenter: X position of the sun. 0.0d is the default.

_sunYcenter: Y position of the sun. 0.0d is the default.

_sunRadii: Number of the radii. 0L is the default.

2/ FESTIVAL_PROJCOORD_STEREO structure

```
st = {FESTIVAL_PROJCOORD_STEREO,
```

```
    _projectionName: "  
    _StructMap: OBJ_NEW(),  
    _coordSystem: "
```

```
    ; Projection ON/OFF ?  
    _EUVI: 0B,  
    _COR1: 0B,  
    _COR2: 0B,  
    _HI1: 0B,  
    _HI2: 0B,  
    _gridON: 0B,  
    _sunLongitude: 0d}
```

3/ FESTIVAL_PROJCOORD_SOHO structure

```
st = {FESTIVAL_PROJCOORD_SOHO,
```

```
    _projectionName: "  
    _coordSystem: "
```

```
    ; Projection ON/OFF ?  
    _EIT: 0B,  
    _C1: 0B,
```

```
_C2: 0B,  
_C3: 0B}
```

4/ FESTIVAL_CALIBRATION structure

```
st = {FESTIVAL_CALIBRATION,  
      ; Calibration OFF=0, ON=1 or 2 depending on the model used for calibration  
      _calibration_model : 0 }
```

5/ FESTIVAL_FILTER structure

```
st = {FESTIVAL_FILTER,  
      ; Filter ON/OFF ?  
      _filterON : 0B,  
      _pFilteringSequence : PTR_NEW() }
```

6/ FESTIVAL_ENHANCEMENT structure

```
st = {FESTIVAL_ENHANCEMENT,  
      ; Enhacement algorithm :  
      _algorithm: 0,  
      ; Auto-scale option :  
      _autoScale: 0B,  
      ; Min/max values used by auto-scale option :  
      _min: 0d,  
      _max: 0d}
```

8/ FESTIVAL_SOHO_SEARCH_CRITERIA structure

```
st = {FESTIVAL_SOHO_SEARCH_CRITERIA,  
      _dateMin: "  
      _dateMax: "  
  
      ; Search EIT ?  
      _EIT: 0B,  
      _waveEIT: "  
      _filterEIT: "
```

```
; Search C1 ?  
_C1: 0B,  
_waveC1: "  
_polarC1: "
```

```
; Search C2 ?  
_C2: 0B,  
_waveC2: "  
_polarC2: "
```

```
; Search C3 ?  
_C3: 0B,  
_waveC3: "  
_polarC3: "}
```

9/ FESTIVAL_STEREO_SEARCH_CRITERIA structure

```
st = {FESTIVAL_STEREO_SEARCH_CRITERIA,  
_dateMin: "  
_dateMax: "
```

```
; Search EUVI ?  
_EUVI: 0B,  
_waveEUVI: "  
_filterEUVI: "
```

```
; Search HI1 ?  
_HI1: 0B,  
_waveHI1: "  
_polarHI1: "
```

```
; Search HI2 ?  
_HI2: 0B,  
_waveHI2: "  
_polarHI2: "
```

; Search COR1 ?

_COR1: 0B,

_waveCOR1: ",

_polarCOR1: ",

; Search COR2 ?

_COR2: ",

_waveCOR2: ",

_polarCOR2: “”}