

LIGO Science Run 3 Reduced Data Set, version 1

October 6, 2003

RDS Channels Summary

LIGO Hanford

RDS H2 IFO channels data rate (81 channels)	:	446.656	kbytes/sec
RDS H1 IFO channels data rate (77 channels)	:	431.296	kbytes/sec
RDS PEM channels data rate (98 channels)	:	376.320	kbytes/sec
Total number of LHO RDS channels	:	256	
Total LHO RDS data rate	:	1.254	Mbytes/sec
Total LHO RDS data volume for S3 (1584 hours)	:	7.15	Tbytes

LIGO Livingston

RDS L1 IFO channels data rate (81 channels)	:	433.856	kbytes/sec
RDS PEM channels data rate (54 channels)	:	188.928	kbytes/sec
Total number of LLO RDS channels	:	135	
Total LLO RDS data rate	:	0.623	Mbytes/sec
Total LLO RDS data volume for S3 (1584 hours)	:	3.55	Tbytes

Note 1: In the tables which follow, a data type equal to 3 means that each data sample is stored as 4 bytes in the original frame files, and a data type equal to 1 means that each data sample is stored as 2 bytes in the original frame files. After a channel is decimated, each data sample for the channel is stored as 4 bytes in the RDS frames. All undecimated channels retain their original data type.

Table 1: RDS channels for LIGO Hanford

Channel Name	Orig Data Type	Original Sampling Rate (Hz)	RDS Sampling Rate (Hz)
<i>Hanford 2-km interferometer:</i>			
H2:LSC-AS_Q	3	16384	16384
H2:LSC-AS_I	3	16384	8192
H2:LSC-REFL_Q	3	16384	4096
H2:LSC-REFL_I	3	16384	8192
H2:LSC-POB_Q	3	16384	8192
H2:LSC-POB_I	3	16384	8192
H2:LSC-MICH_CTRL	3	16384	4096
H2:LSC-PRC_CTRL	3	16384	4096
H2:LSC-DARM_CTRL	3	16384	4096
H2:LSC-MC_L	3	16384	4096
H2:LSC-AS_DC	1	256	256
H2:LSC-REFL_DC	1	256	256
H2:LSC-PO_DC	1	256	256
H2:LSC-AS_AC	1	16384	2048
H2:LSC-REFL_AC	1	16384	2048
H2:LSC-DARM_CTRL_EXC_DAQ	3	16384	4096
H2:LSC-ETMX_EXC_DAQ	3	16384	4096
H2:LSC-DARM_GAIN	3	16	16
H2:LSC-ICMTRX_01	3	16	16
H2:LSC-LA_PTRX_NORM	3	16	16
H2:LSC-LA_PTRY_NORM	3	16	16
H2:LSC-LA_PREF_NORM	3	16	16
H2:LSC-LA_PPOB_NORM	3	16	16
H2:LSC-LA_SPOB_NORM	3	16	16
H2:LSC-SPOB_MON	1	2048	256
H2:LSC-AS2I_CORR_OUT16	3	16	16
H2:LSC-AS3I_CORR_OUT16	3	16	16
H2:LSC-AS2_I_OVERFLOW	3	16	16
H2:LSC-AS2_Q_OVERFLOW	3	16	16
H2:LSC-AS3_I_OVERFLOW	3	16	16
H2:LSC-AS3_Q_OVERFLOW	3	16	16
H2:LSC-POB1_I_OVERFLOW	3	16	16

H2:LSC-POB1_Q_OVERFLOW	3	16	16
H2:LSC-POB2_I_OVERFLOW	3	16	16
H2:LSC-POB2_Q_OVERFLOW	3	16	16
H2:LSC-REFL1_I_OVERFLOW	3	16	16
H2:LSC-REFL1_Q_OVERFLOW	3	16	16
H2:LSC-REFL2_I_OVERFLOW	3	16	16
H2:LSC-REFL2_Q_OVERFLOW	3	16	16
H2:LSC-MASTER_OVERFLOW	3	16	16
H2:ASC-WFS1_QY	3	2048	256
H2:ASC-WFS1_QP	3	2048	256
H2:ASC-WFS2_IY	3	2048	256
H2:ASC-WFS2_IP	3	2048	256
H2:ASC-WFS2_QY	3	2048	256
H2:ASC-WFS2_QP	3	2048	256
H2:ASC-WFS3_IY	3	2048	256
H2:ASC-WFS3_IP	3	2048	256
H2:ASC-WFS4_IY	3	2048	256
H2:ASC-WFS4_IP	3	2048	256
H2:ASC-QPDX_DC	3	2048	256
H2:ASC-QPDX_P	3	2048	256
H2:ASC-QPDX_Y	3	2048	256
H2:ASC-QPDY_DC	3	2048	256
H2:ASC-QPDY_P	3	2048	256
H2:ASC-QPDY_Y	3	2048	256
H2:SUS-ETMX_OPLEV_PERROR	3	2048	1024
H2:SUS-ETMX_OPLEV_YERROR	3	2048	1024
H2:SUS-ETMY_OPLEV_PERROR	3	2048	1024
H2:SUS-ETMY_OPLEV_YERROR	3	2048	1024
H2:SUS-ITMX_OPLEV_PERROR	3	2048	1024
H2:SUS-ITMX_OPLEV_YERROR	3	2048	1024
H2:SUS-ITMY_OPLEV_PERROR	3	2048	1024
H2:SUS-ITMY_OPLEV_YERROR	3	2048	1024
H2:SUS-FMX_OPLEV_PERROR	3	2048	1024
H2:SUS-FMX_OPLEV_YERROR	3	2048	1024
H2:SUS-FMY_OPLEV_PERROR	3	2048	1024
H2:SUS-FMY_OPLEV_YERROR	3	2048	1024
H2:SUS-BS_OPLEV_PERROR	3	2048	1024
H2:SUS-BS_OPLEV_YERROR	3	2048	1024
H2:SUS-RM_OPLEV_PERROR	3	2048	1024
H2:SUS-RM_OPLEV_YERROR	3	2048	1024
H2:SUS-MMT3_OPLEV_PERROR	3	2048	1024
H2:SUS-MMT3_OPLEV_YERROR	3	2048	1024

H2:IOO-MC_F	1	16384	4096
H2:IFO-SV_STATE_VECTOR	3	16	16
H2:IFO-ACTIVITY_TYPE	3	16	16
H2:IFO-ACTIVITY_STATE	3	16	16
H2:IFO-ACTIVITY_INDEX	3	16	16
H2:LSC-LA_State_Bits_Read	3	16	16
H2:PSL-FSS_MIXERM_F	1	16384	2048

Hanford 4-km interferometer:

H1:LSC-AS_Q	3	16384	16384
H1:LSC-AS_I	3	16384	8192
H1:LSC-REFL_Q	3	16384	4096
H1:LSC-REFL_I	3	16384	8192
H1:LSC-POB_Q	3	16384	8192
H1:LSC-POB_I	3	16384	8192
H1:LSC-MICH_CTRL	3	16384	4096
H1:LSC-PRC_CTRL	3	16384	4096
H1:LSC-DARM_CTRL	3	16384	4096
H1:LSC-MC_L	3	16384	4096
H1:LSC-AS_DC	1	256	256
H1:LSC-REFL_DC	1	16384	256
H1:LSC-PO_DC	1	16384	256
H1:LSC-AS_AC	1	16384	2048
H1:LSC-REFL_AC	1	16384	2048
H1:LSC-DARM_CTRL_EXC_DAQ	3	16384	4096
H1:LSC-ETMX_EXC_DAQ	3	16384	4096
H1:LSC-DARM_GAIN	3	16	16
H1:LSC-ICMTRX_01	3	16	16
H1:LSC-LA_PTRX_NORM	3	16	16
H1:LSC-LA_PTRY_NORM	3	16	16
H1:LSC-LA_PREF_NORM	3	16	16
H1:LSC-LA_PPOB_NORM	3	16	16
H1:LSC-LA_SPOB_NORM	3	16	16
H1:LSC-SPOB_MON	1	2048	256
H1:LSC-AS2I_CORR_OUT16	3	16	16
H1:LSC-AS3I_CORR_OUT16	3	16	16
H1:LSC-AS2_I_OVERFLOW	3	16	16
H1:LSC-AS2_Q_OVERFLOW	3	16	16
H1:LSC-AS3_I_OVERFLOW	3	16	16
H1:LSC-AS3_Q_OVERFLOW	3	16	16
H1:LSC-POB1_I_OVERFLOW	3	16	16
H1:LSC-POB1_Q_OVERFLOW	3	16	16
H1:LSC-POB2_I_OVERFLOW	3	16	16
H1:LSC-POB2_Q_OVERFLOW	3	16	16
H1:LSC-REFL1_I_OVERFLOW	3	16	16
H1:LSC-REFL1_Q_OVERFLOW	3	16	16
H1:LSC-REFL2_I_OVERFLOW	3	16	16
H1:LSC-REFL2_Q_OVERFLOW	3	16	16
H1:LSC-MASTER_OVERFLOW	3	16	16

H1:ASC-WFS1_QY	3	2048	256
H1:ASC-WFS1_QP	3	2048	256
H1:ASC-WFS2_IY	3	2048	256
H1:ASC-WFS2_IP	3	2048	256
H1:ASC-WFS2_QY	3	2048	256
H1:ASC-WFS2_QP	3	2048	256
H1:ASC-WFS3_IY	3	2048	256
H1:ASC-WFS3_IP	3	2048	256
H1:ASC-WFS4_IY	3	2048	256
H1:ASC-WFS4_IP	3	2048	256
H1:ASC-QPDX_DC	3	2048	256
H1:ASC-QPDX_P	3	2048	256
H1:ASC-QPDX_Y	3	2048	256
H1:ASC-QPDY_DC	3	2048	256
H1:ASC-QPDY_P	3	2048	256
H1:ASC-QPDY_Y	3	2048	256
H1:SUS-ETMX_OPLEV_PERROR	3	2048	1024
H1:SUS-ETMX_OPLEV_YERROR	3	2048	1024
H1:SUS-ETMY_OPLEV_PERROR	3	2048	1024
H1:SUS-ETMY_OPLEV_YERROR	3	2048	1024
H1:SUS-ITMX_OPLEV_PERROR	3	2048	1024
H1:SUS-ITMX_OPLEV_YERROR	3	2048	1024
H1:SUS-ITMY_OPLEV_PERROR	3	2048	1024
H1:SUS-ITMY_OPLEV_YERROR	3	2048	1024
H1:SUS-BS_OPLEV_PERROR	3	2048	1024
H1:SUS-BS_OPLEV_YERROR	3	2048	1024
H1:SUS-RM_OPLEV_PERROR	3	2048	1024
H1:SUS-RM_OPLEV_YERROR	3	2048	1024
H1:SUS-MMT3_OPLEV_PERROR	3	2048	1024
H1:SUS-MMT3_OPLEV_YERROR	3	2048	1024
H1:IOO-MC_F	1	16384	4096
H1:IFO-SV_STATE_VECTOR	3	16	16
H1:IFO-ACTIVITY_TYPE	3	16	16
H1:IFO-ACTIVITY_STATE	3	16	16
H1:IFO-ACTIVITY_INDEX	3	16	16
H1:LSC-LA_State_Bits_Read	3	16	16
H1:PSL-FSS_MIXERM_F	1	16384	2048

Hanford PEM channels:

H0:PEM-LVEA_SEISX	1	256	256
H0:PEM-LVEA_SEISY	1	256	256
H0:PEM-LVEA_SEISZ	1	256	256
H0:PEM-MX_SEISX	1	256	256
H0:PEM-MX_SEISY	1	256	256
H0:PEM-MX_SEISZ	1	256	256
H0:PEM-MY_SEISX	1	256	256
H0:PEM-MY_SEISY	1	256	256
H0:PEM-MY_SEISZ	1	256	256
H0:PEM-EX_SEISX	1	256	256
H0:PEM-EX_SEISY	1	256	256
H0:PEM-EX_SEISZ	1	256	256
H0:PEM-EY_SEISX	1	256	256
H0:PEM-EY_SEISY	1	256	256
H0:PEM-EY_SEISZ	1	256	256
H0:PEM-PSL1_ACCX	1	2048	2048
H0:PEM-PSL1_ACCZ	1	2048	2048
H0:PEM-PSL2_ACCX	1	2048	2048
H0:PEM-PSL2_ACCZ	1	2048	2048
H0:PEM-BSC1_ACCY	1	2048	2048
H0:PEM-BSC2_ACCX	1	2048	2048
H0:PEM-BSC2_ACCY	1	2048	2048
H0:PEM-BSC3_ACCX	1	2048	2048
H0:PEM-BSC4_ACCX	1	2048	2048
H0:PEM-BSC4_ACCY	1	2048	2048
H0:PEM-BSC4_ACCZ	1	2048	2048
H0:PEM-BSC5_ACCX	1	2048	2048
H0:PEM-BSC6_ACCY	1	2048	2048
H0:PEM-BSC7_ACCX	1	2048	2048
H0:PEM-BSC8_ACCY	1	2048	2048
H0:PEM-BSC9_ACC1X	1	2048	2048
H0:PEM-BSC10_ACC1Y	1	2048	2048
H0:PEM-HAM1_ACCX	1	2048	2048
H0:PEM-HAM1_ACCZ	1	2048	2048
H0:PEM-HAM3_ACCX	1	2048	2048
H0:PEM-HAM7_ACCX	1	2048	2048
H0:PEM-HAM7_ACCZ	1	2048	2048
H0:PEM-HAM9_ACCX	1	2048	2048
H0:PEM-ISCT1_ACCX	1	2048	2048
H0:PEM-ISCT1_ACCY	1	2048	2048
H0:PEM-ISCT1_ACCZ	1	2048	2048
H0:PEM-ISCT4_ACCX	1	2048	2048

H0:PEM-ISCT4_ACCY	1	2048	2048
H0:PEM-ISCT4_ACCZ	1	2048	2048
H0:PEM-ISCT7_ACCX	1	2048	2048
H0:PEM-ISCT7_ACCY	1	2048	2048
H0:PEM-ISCT7_ACCZ	1	2048	2048
H0:PEM-ISCT10_ACCX	1	2048	2048
H0:PEM-ISCT10_ACCY	1	2048	2048
H0:PEM-ISCT10_ACCZ	1	2048	2048
H0:PEM-LVEA_MIC	1	16384	16384
H0:PEM-PSL1_MIC	1	2048	2048
H0:PEM-PSL2_MIC	1	2048	2048
H0:PEM-BSC5_MIC	1	2048	2048
H0:PEM-BSC6_MIC	1	2048	2048
H0:PEM-BSC7_MIC	1	2048	2048
H0:PEM-BSC8_MIC	1	2048	2048
H0:PEM-BSC9_MIC	1	2048	2048
H0:PEM-BSC10_MIC	1	2048	2048
H0:PEM-IOT1_MIC	1	2048	2048
H0:PEM-IOT7_MIC	1	2048	2048
H0:PEM-ISCT1_MIC	1	2048	2048
H0:PEM-ISCT4_MIC	1	2048	2048
H0:PEM-ISCT7_MIC	1	2048	2048
H0:PEM-ISCT10_MIC	1	2048	2048
H0:PEM-LVEA_MAGX	1	2048	2048
H0:PEM-LVEA_MAGY	1	2048	2048
H0:PEM-LVEA_MAGZ	1	2048	2048
H0:PEM-BSC1_MAG1X	1	2048	2048
H0:PEM-BSC1_MAG1Y	1	2048	2048
H0:PEM-BSC1_MAG1Z	1	2048	2048
H0:PEM-BSC5_MAGX	1	2048	2048
H0:PEM-BSC5_MAGY	1	2048	2048
H0:PEM-BSC5_MAGZ	1	2048	2048
H0:PEM-BSC6_MAGX	1	2048	2048
H0:PEM-BSC6_MAGY	1	2048	2048
H0:PEM-BSC6_MAGZ	1	2048	2048
H0:PEM-BSC9_MAGX	1	2048	2048
H0:PEM-BSC9_MAGY	1	2048	2048
H0:PEM-BSC9_MAGZ	1	2048	2048
H0:PEM-BSC10_MAGX	1	2048	2048
H0:PEM-BSC10_MAGY	1	2048	2048
H0:PEM-BSC10_MAGZ	1	2048	2048
H0:PEM-COIL_MAGX	1	2048	2048
H0:PEM-COIL_MAGZ	1	2048	2048

H0:PEM-RADIO_LVEA	1	2048	2048
H0:PEM-RADIO_CS_1	1	2048	2048
H0:PEM-RADIO_CS_2	1	2048	2048
H0:PEM-LVEA2_V1	1	2048	2048
H0:PEM-LVEA2_V2	1	2048	2048
H0:PEM-LVEA2_V3	1	2048	2048
H0:PEM-MX_V1	1	2048	2048
H0:PEM-MX_V2	1	2048	2048
H0:PEM-MY_V1	1	2048	2048
H0:PEM-MY_V2	1	2048	2048
H0:PEM-EX_V1	1	2048	2048
H0:PEM-EX_V2	1	2048	2048
H0:PEM-EY_V1	1	2048	2048
H0:PEM-EY_V2	1	2048	2048

Table 2: RDS channels for LIGO Livingston

Channel Name	Orig Data Type	Original Sampling Rate (Hz)	RDS Sampling Rate (Hz)
L1:LSC-AS_Q	3	16384	16384
L1:LSC-AS_I	3	16384	8192
L1:LSC-POB_Q	3	16384	8192
L1:LSC-POB_I	3	16384	8192
L1:LSC-REFL_Q	3	16384	4096
L1:LSC-REFL_I	3	16384	8192
L1:LSC-MICH_CTRL	3	16384	4096
L1:LSC-PRC_CTRL	3	16384	4096
L1:LSC-DARM_CTRL	3	16384	4096
L1:LSC-MC_L	3	16384	4096
L1:LSC-AS_DC	1	2048	256
L1:LSC-REFL_DC	1	2048	256
L1:LSC-PO_DC	1	2048	256
L1:LSC-AS_AC	1	16384	2048
L1:LSC-REFL_AC	1	16384	2048
L1:LSC-DARM_CTRL_EXC_DAQ	3	16384	4096
L1:LSC-ETMX_EXC_DAQ	3	16384	4096
L1:LSC-DARM_GAIN	3	16	16
L1:LSC-ICMTRX_01	3	16	16
L1:LSC-LA_PTRX_NORM	3	16	16
L1:LSC-LA_PTRY_NORM	3	16	16
L1:LSC-LA_PREF_NORM	3	16	16
L1:LSC-LA_PPOB_NORM	3	16	16
L1:LSC-LA_SPOB_NORM	3	16	16
L1:LSC-SPOB_MON	1	2048	256
L1:LSC-AS2I_CORR_OUT16	3	16	16
L1:LSC-AS3I_CORR_OUT16	3	16	16
L1:LSC-AS2_I_OVERFLOW	3	16	16
L1:LSC-AS2_Q_OVERFLOW	3	16	16
L1:LSC-AS3_I_OVERFLOW	3	16	16
L1:LSC-AS3_Q_OVERFLOW	3	16	16
L1:LSC-POB1_I_OVERFLOW	3	16	16
L1:LSC-POB1_Q_OVERFLOW	3	16	16
L1:LSC-POB2_I_OVERFLOW	3	16	16

L1:LSC-POB2_Q_OVERFLOW	3	16	16
L1:LSC-REFL1_I_OVERFLOW	3	16	16
L1:LSC-REFL1_Q_OVERFLOW	3	16	16
L1:LSC-REFL2_I_OVERFLOW	3	16	16
L1:LSC-REFL2_Q_OVERFLOW	3	16	16
L1:LSC-MASTER_OVERFLOW	3	16	16
L1:ASC-WFS1_QY	3	2048	256
L1:ASC-WFS1_QP	3	2048	256
L1:ASC-WFS2_IY	3	2048	256
L1:ASC-WFS2_IP	3	2048	256
L1:ASC-WFS2_QY	3	2048	256
L1:ASC-WFS2_QP	3	2048	256
L1:ASC-WFS3_IY	3	2048	256
L1:ASC-WFS3_IP	3	2048	256
L1:ASC-WFS4_IY	3	2048	256
L1:ASC-WFS4_IP	3	2048	256
L1:ASC-QPDX_DC	3	2048	256
L1:ASC-QPDX_P	3	2048	256
L1:ASC-QPDX_Y	3	2048	256
L1:ASC-QPDY_DC	3	2048	256
L1:ASC-QPDY_P	3	2048	256
L1:ASC-QPDY_Y	3	2048	256
L1:SUS-ETMX_OPLEV_PERROR	3	2048	1024
L1:SUS-ETMX_OPLEV_YERROR	3	2048	1024
L1:SUS-ETMY_OPLEV_PERROR	3	2048	1024
L1:SUS-ETMY_OPLEV_YERROR	3	2048	1024
L1:SUS-ITMX_OPLEV_PERROR	3	2048	1024
L1:SUS-ITMX_OPLEV_YERROR	3	2048	1024
L1:SUS-ITMY_OPLEV_PERROR	3	2048	1024
L1:SUS-ITMY_OPLEV_YERROR	3	2048	1024
L1:SUS-BS_OPLEV_PERROR	3	2048	1024
L1:SUS-BS_OPLEV_YERROR	3	2048	1024
L1:SUS-RM_OPLEV_PERROR	3	2048	1024
L1:SUS-RM_OPLEV_YERROR	3	2048	1024
L1:SUS-MMT3_OPLEV_PERROR	3	2048	1024
L1:SUS-MMT3_OPLEV_YERROR	3	2048	1024
L1:IOO-MC_F	1	16384	4096
L1:IFO-SV_STATE_VECTOR	3	16	16
L1:IFO-ACTIVITY_TYPE	3	16	16
L1:IFO-ACTIVITY_STATE	3	16	16

L1:IFO-ACTIVITY_INDEX	3	16	16
L1:LSC-LA_State_Bits_Read	3	16	16
L1:PSL-FSS_MIXERM_F	1	16384	2048
L1:SEI-LVEA_SEIS_X	1	2048	128
L1:SEI-LVEA_SEIS_Y	1	2048	128
L1:SEI-EX_SEIS_X	1	2048	128
L1:SEI-EY_SEIS_Y	1	2048	128

Livingston PEM channels:

L0:PEM-LVEA_SEISX	1	256	256
L0:PEM-LVEA_SEISY	1	256	256
L0:PEM-LVEA_SEISZ	1	256	256
L0:PEM-EX_SEISX	1	256	256
L0:PEM-EX_SEISY	1	256	256
L0:PEM-EX_SEISZ	1	256	256
L0:PEM-EY_SEISX	1	256	256
L0:PEM-EY_SEISY	1	256	256
L0:PEM-EY_SEISZ	1	256	256
L0:PEM-HAM1_ACCX	1	2048	2048
L0:PEM-HAM1_ACCZ	1	2048	2048
L0:PEM-HAM2_ACCX	1	2048	2048
L0:PEM-HAM2_ACCZ	1	2048	2048
L0:PEM-BSC1_ACCX	1	2048	2048
L0:PEM-BSC1_ACCY	1	2048	2048
L0:PEM-BSC1_ACCZ	1	2048	2048
L0:PEM-BSC2_ACCX	1	2048	2048
L0:PEM-BSC2_ACCY	1	2048	2048
L0:PEM-BSC2_ACCZ	1	2048	2048
L0:PEM-BSC3_ACCX	1	2048	2048
L0:PEM-BSC3_ACCY	1	2048	2048
L0:PEM-BSC3_ACCZ	1	2048	2048
L0:PEM-BSC4_ACCX	1	2048	2048
L0:PEM-BSC4_ACCY	1	2048	2048
L0:PEM-BSC4_ACCZ	1	2048	2048
L0:PEM-BSC5_ACCX	1	2048	2048
L0:PEM-BSC5_ACCY	1	2048	2048
L0:PEM-BSC5_ACCZ	1	2048	2048
L0:PEM-ISCT1_ACCX	1	2048	2048
L0:PEM-ISCT1_ACCY	1	2048	2048
L0:PEM-ISCT1_ACCZ	1	2048	2048
L0:PEM-ISCT4_ACCX	1	2048	2048
L0:PEM-ISCT4_ACCY	1	2048	2048
L0:PEM-ISCT4_ACCZ	1	2048	2048
L0:PEM-BSC2_MIC	1	2048	2048
L0:PEM-BSC4_MIC	1	2048	2048
L0:PEM-BSC5_MIC	1	2048	2048
L0:PEM-ISCT1_MIC	1	2048	2048
L0:PEM-ISCT4_MIC	1	2048	2048
L0:PEM-LVEA_MAGX	1	2048	2048

L0:PEM-LVEA_MAGY	1	2048	2048
L0:PEM-LVEA_MAGZ	1	2048	2048
L0:PEM-EX_MAGX	1	2048	2048
L0:PEM-EX_MAGY	1	2048	2048
L0:PEM-EX_MAGZ	1	2048	2048
L0:PEM-EY_MAGX	1	2048	2048
L0:PEM-EY_MAGY	1	2048	2048
L0:PEM-EY_MAGZ	1	2048	2048
L0:PEM-COIL_MAGX	1	2048	2048
L0:PEM-COIL_MAGZ	1	2048	2048
L0:PEM-LVEA_V1	1	2048	2048
L0:PEM-EX_V1	1	2048	2048
L0:PEM-EY_V1	1	2048	2048
L0:PEM-RADIO_LVEA	1	2048	2048