

21-SPONGE

SEQUENTIAL BLOCK DIAGRAMS OF

DATA REDUCTION PROCESS USING AIPS TASKS

SPONGE-0	Sequential Block Diagram (SBD) LEGEND
SPONGE-1	"B" Data Base Sequential Block Diagram
SPONGE-2	"B" Data Base Sequential Block Diagram
SPONGE-3	"C" Data Base Sequential Block Diagram
SPONGE-4	"C" Data Base Sequential Block Diagram
SPONGE-5	Combined "B", "C, and "BC" SBD
SPONGE-6	"A" Data Base Sequential Block Diagram
SPONGE-7	"A" Data Base Sequential Block Diagram
SPONGE-8	"A" Data Base Sequential Block Diagram

LEGEND

OBSERVATION FILES

AIPS OBSERVATIONS ON EVLA

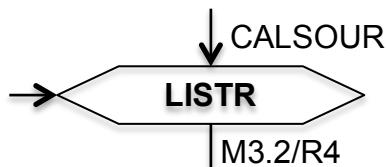
XXXXX-A.UVEVLA

TARGET SOURCE

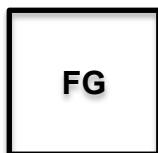
A

SPONGE-2

AIPS FILE XXXXX-A.UVEVLA LOCATED
ON AIPS DISK OF THE TARGET SOURCE
DATA CONTINUED AT "A" LOCATED
ON SEQUENTIAL BLOCK DIAGRAM
SPONGE-2



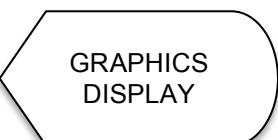
AIPS TASK: LISTR, DESCRIBED
IN R4 - DAN ABLE'S "RECIPE" AND
M3.2 - CLAIRE'S "MANUAL", WITH
ADVERB: CALSOUR



DATA SET TABLE



PLOT/LISTING/CONFIG HARD COPY



PLOT AT GRAPHICS DISPLAY



AIPS COMMANDS

1

SPONGE-8

2



SPONGE-4

PHASE
CALIBRATOR



SEQUENTIAL STEP #

OFF PAGE CONNECTOR "2"
TO/FROM SPONGE 8 SEQUENTIAL
BLOCK

OPERATION/TASK DIRECTION

GO TO NEXT SEQUENTIAL STEP
LOCATED ON SPONGE-4
SEQUENTIAL BLOCK DIAGRAM

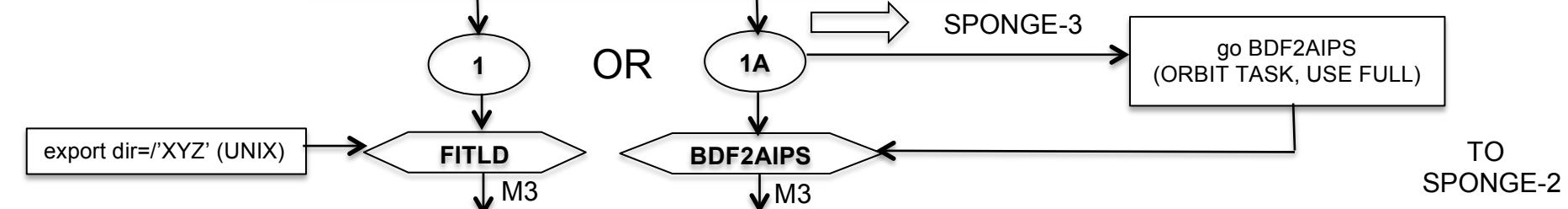
OPERATION/INSTRUCTION/SOURCE

COMPUTER GRAPHICS DISPLAY

SPONGE-0

SEQUENTIAL BLOCK DIAGRAM

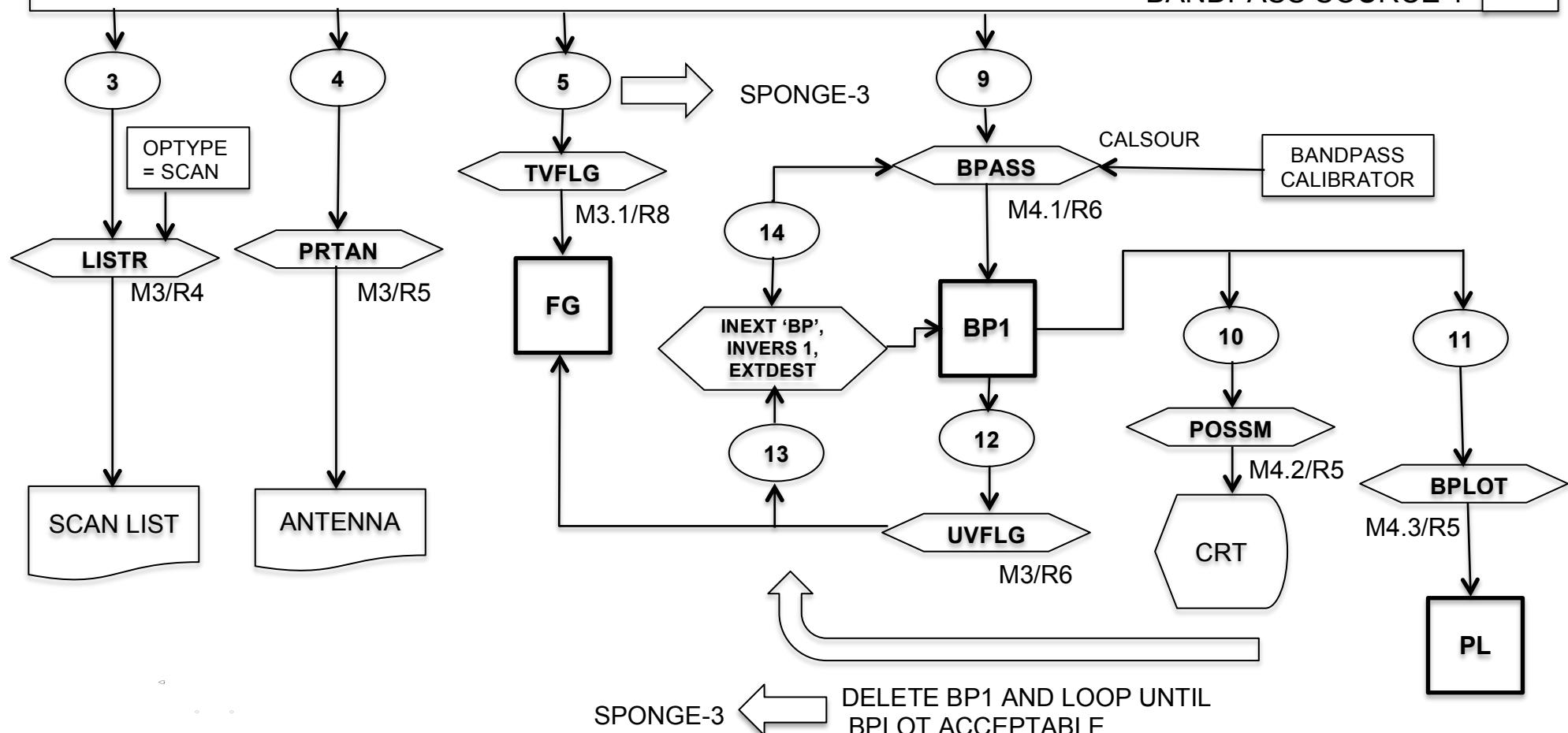
OBSERVATION FILES



XXXXX-B.UVEVLA

BANDPASS SOURCE 1

A



SPONGE-1

SEQUENTIAL BLOCK DIAGRAM

AL LAWRENCE 9/30/13

A

XXXXX-B.UVEVLA

B

SPONGE-1

BANDPASS SOURCE 1

SPONGE-5

21

22

23

29

ONLY USE/DO IF
MODEL SAME AS
BANDPASS
CALIBRATOR

CALRD

CALIB

M5/R11

CALIB

M5/R12

ONLY DO IF PHASE
CALIBRATION IS
GOOD

GETJY

M5.1/R13

PHASE
CALIBRATOR
FLUX VALUE

RECORD

2

YYYY-L.MODEL
MODEL SOURCE

SPONGE-4

SPONGE-4

SPONGE-4

BANDPASS
CALIBRATORPHASE
CALIBRATOR

ONLY DO IF
PHASE
CALIBRATION IS
GOOD

CALSOUR

CALSOUR

CALSOUR

GETJY

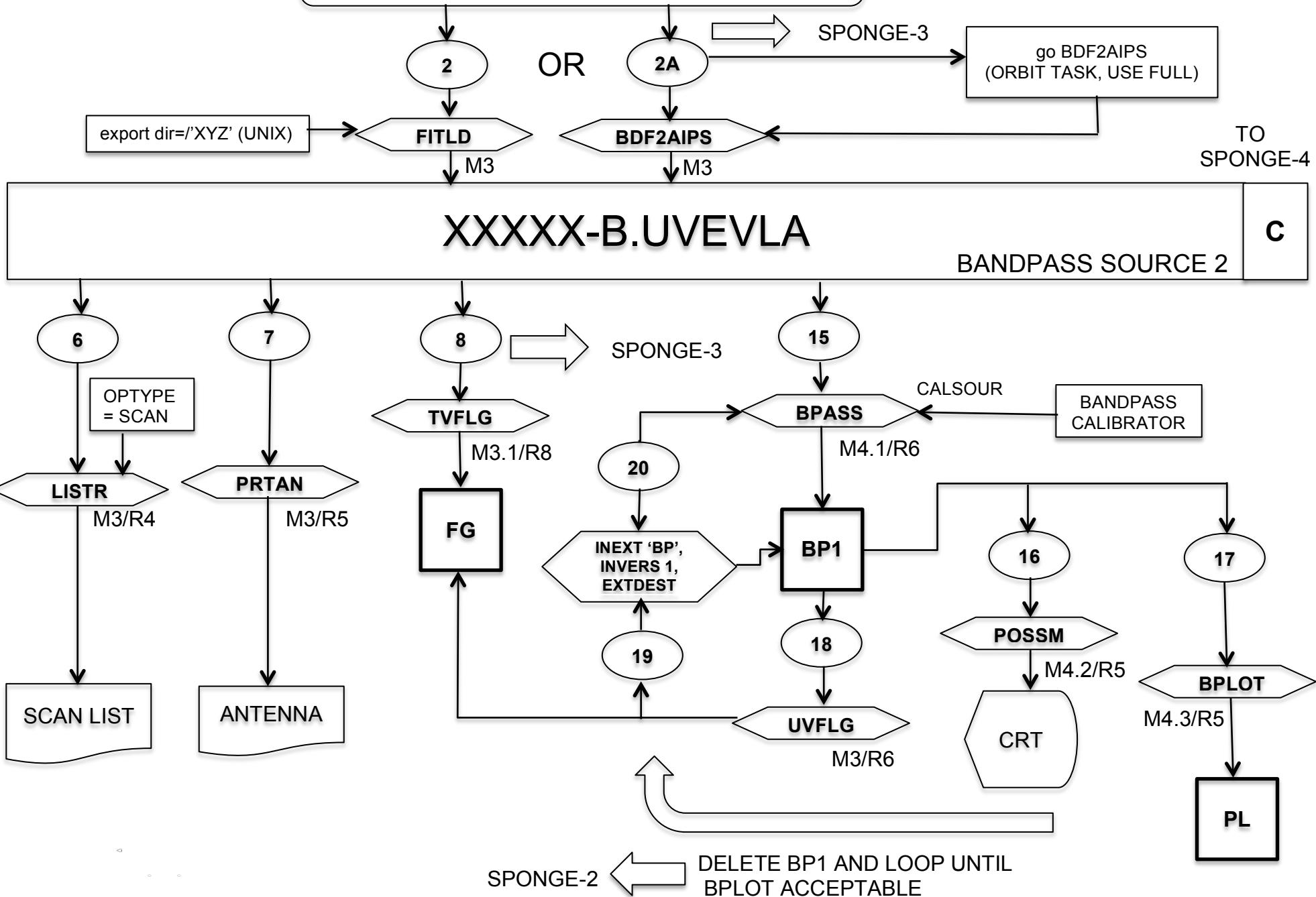
SOURCES

SPONGE-2

SEQUENTIAL BLOCK DIAGRAM

AL LAWRENCE 6/16/13

OBSERVATION FILES



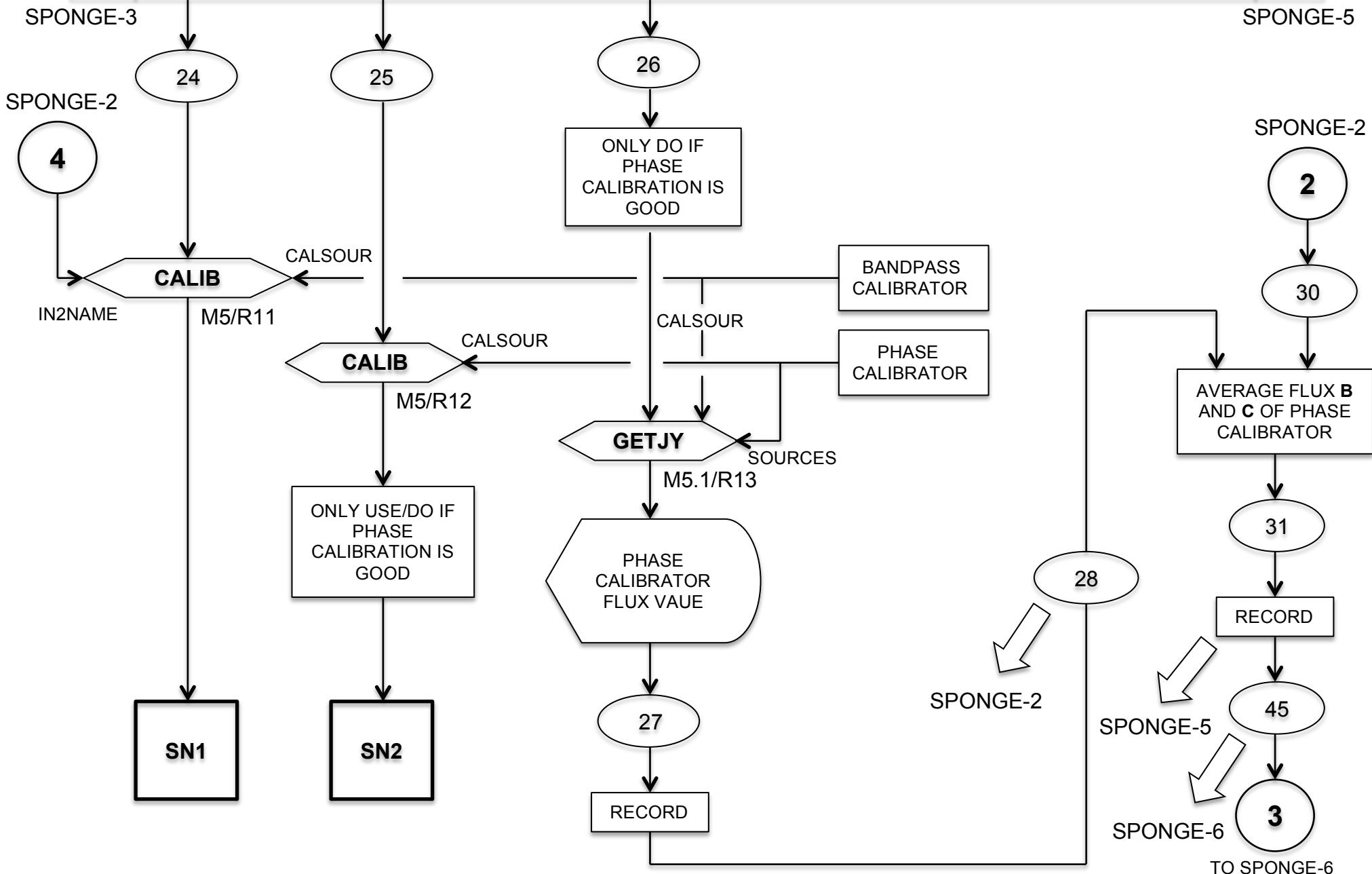
SPONGE-3

SEQUENTIAL BLOCK DIAGRAM

AL LAWRENCE 9/30/13

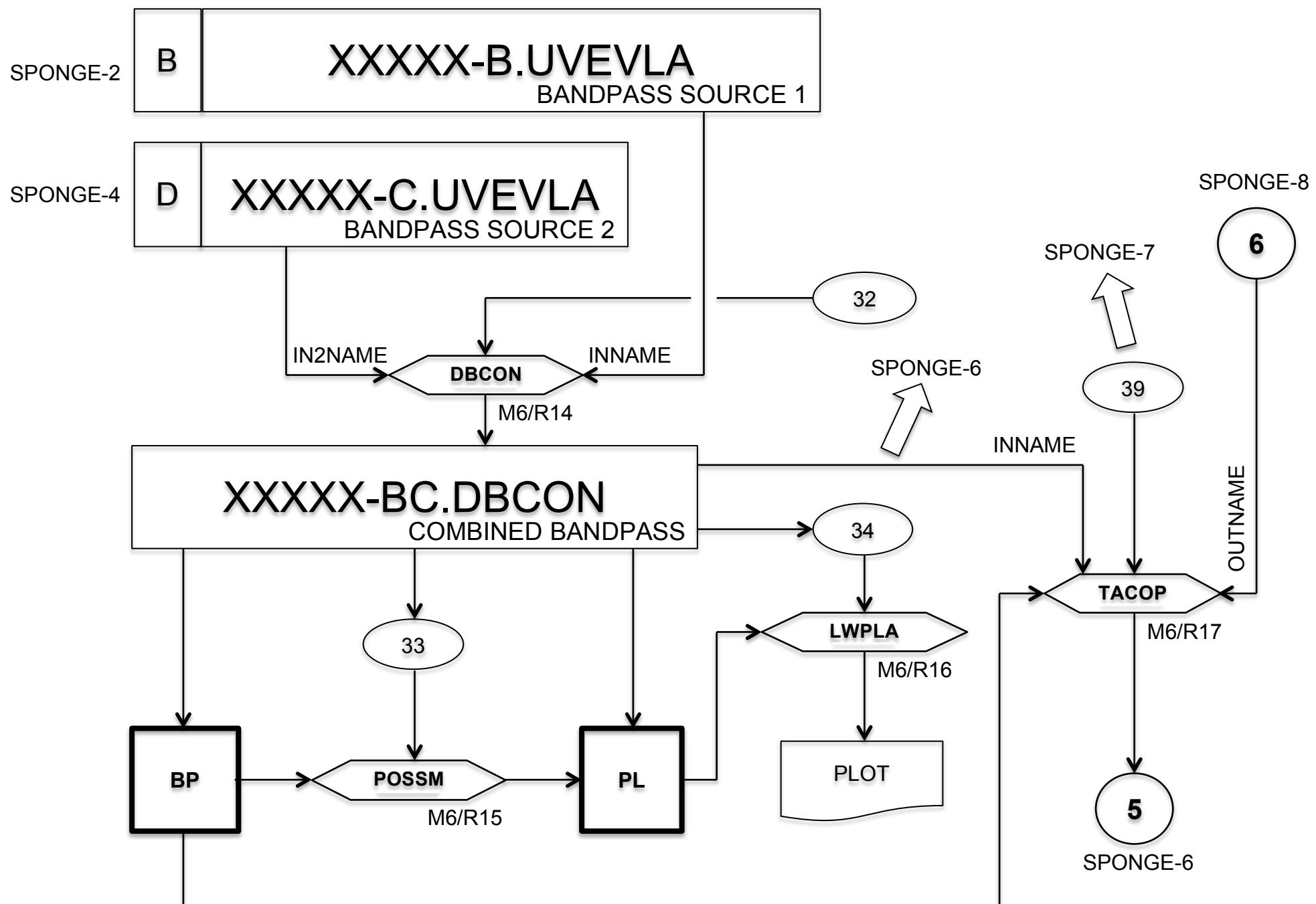
XXXXXX-C.UVEVLA

BANDPASS SOURCE 2

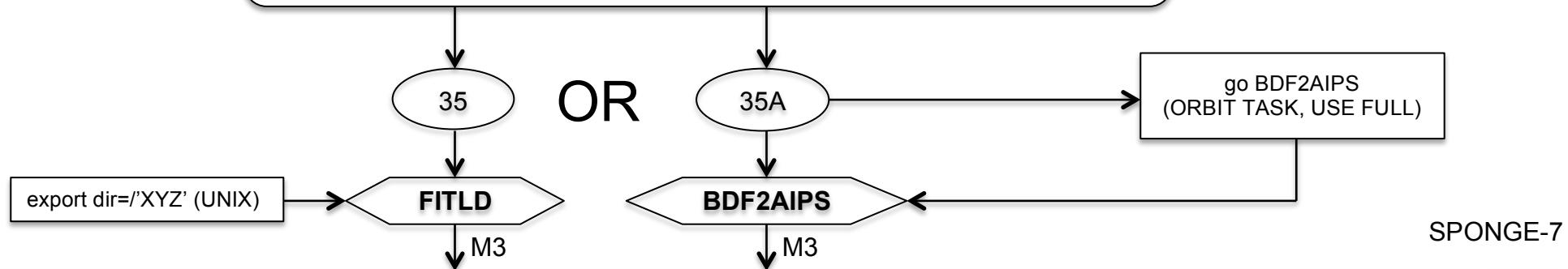


SPONGE-4

SEQUENTIAL BLOCK DIAGRAM



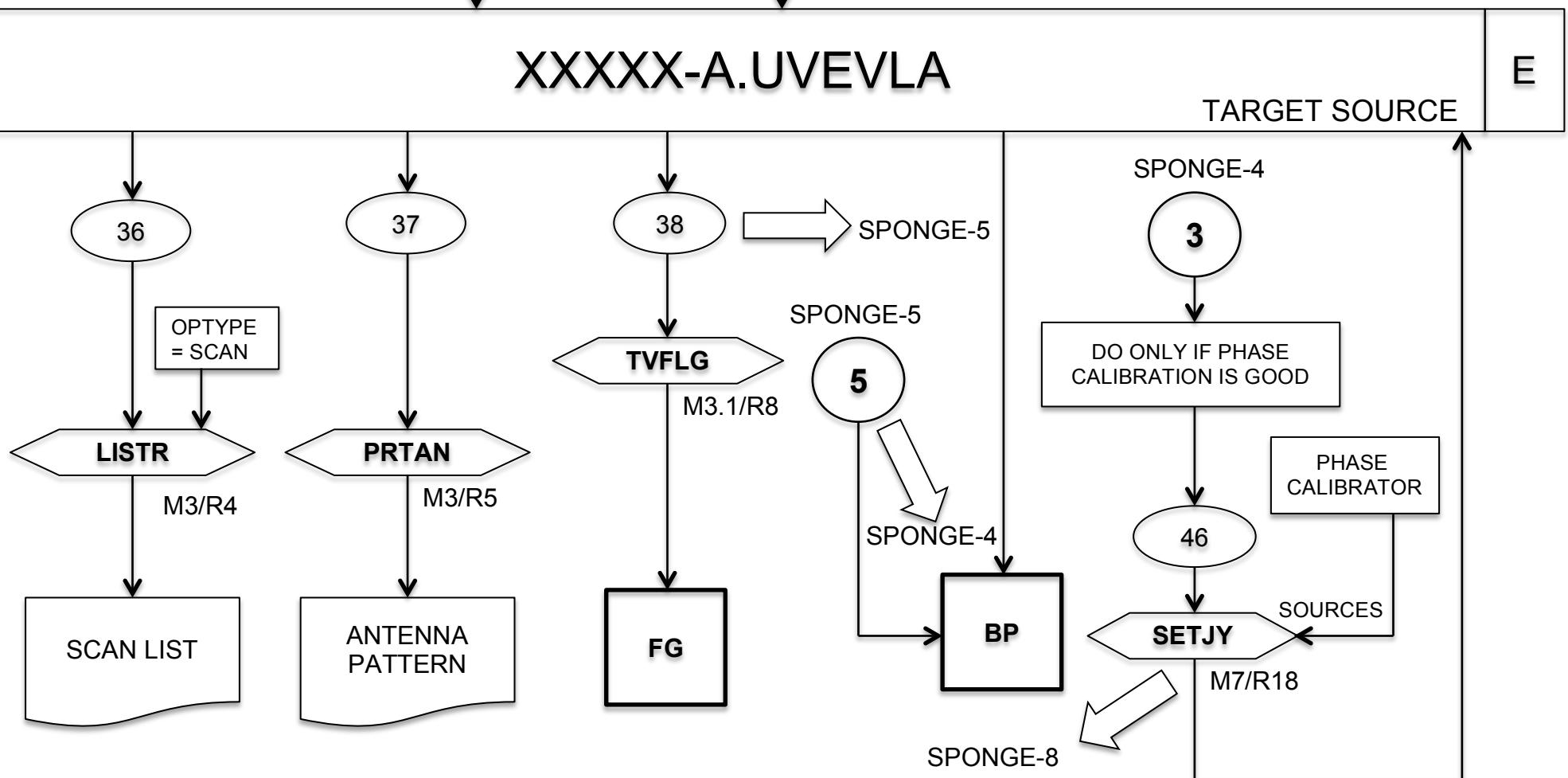
OBSERVATION FILES



XXXXXX-A.UVEVLA

E

TARGET SOURCE



SPONGE-6

SEQUENTIAL BLOCK DIAGRAM

E

XXXXX-A.UVEVLA

F

TARGET SOURCE

SPONGE-1

40

CALIBPHASE
CALIBRATOR

CALSOR

43

SN 1

40

LISTRSN TABLE
CONTENTS
LL/RR

M7.1/R19

41

UVFLG

M7.1/R19

CL 1

GAIN

INEXT 'SN',
INVERS 1,
EXTDESTITTERATE UNTIL ACCEPTABLE **SN 1** TABLE

SPONGE-7

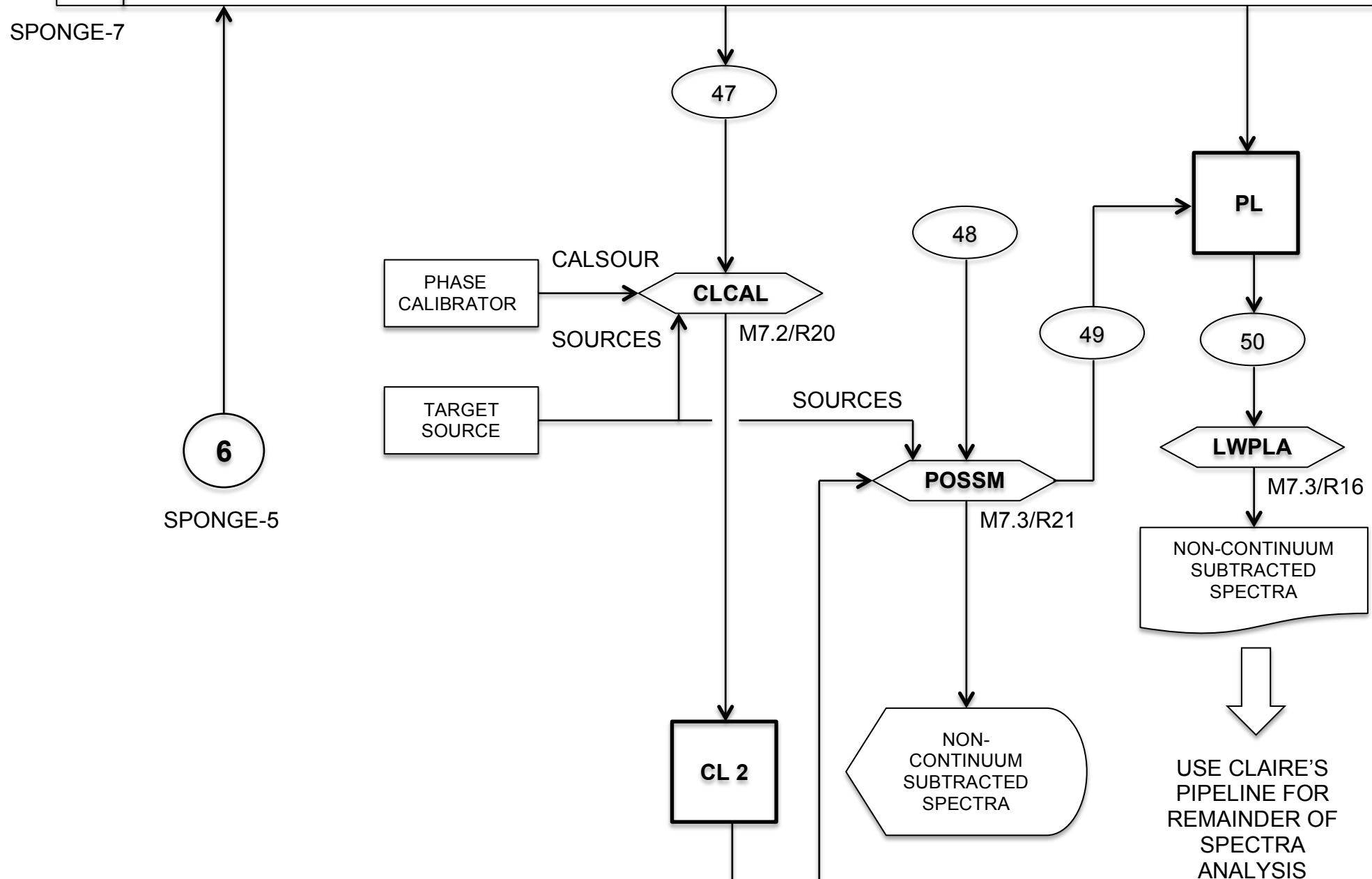
SEQUENTIAL BLOCK DIAGRAM

AL LAWRENCE 9/30/13

F

XXXXX-A.UVEVLA

TARGET SOURCE



SPONGE-8

SEQUENTIAL BLOCK DIAGRAM

AL LAWRENCE 9/30/13