

MIPL UGR-2 RLTM

TRITON

11394.45(1)

0261N2+000



INPUT



OUTPUT



DC SUBTRACT ON

STRETCH- AUTO ENDS-IN  
L897-838 H165-258

828+18.00% 258- 1.00%

INSTR = ISSNA INMODE = MAGNLY  
 FILTER = B-CLR TMODE = IMD  
 EXP = 2.98 RANGE = 152216

INA = 119.57 SCALE = 1125  
 ENA = 169.98  
 PHA = 78.34

237 : 11 : 36

25-AUG-1988 UARI 8948

1  
00:00:16,820 --> 00:00:14,839  
using balloons and rockets astronomers

2  
00:00:19,130 --> 00:00:16,830  
have successfully launched telescopes

3  
00:00:21,980 --> 00:00:19,140  
into Earth orbit above the distorting

4  
00:00:24,470 --> 00:00:21,990  
effects of the atmosphere to explore

5  
00:00:27,740 --> 00:00:24,480  
deep space nASA has had great success

6  
00:00:29,960 --> 00:00:27,750  
with robotic probes like Voyager that

7  
00:00:32,959 --> 00:00:29,970  
have observed and sent back images of

8  
00:00:35,330 --> 00:00:32,969  
our solar system NASA and its partner

9  
00:00:37,580 --> 00:00:35,340  
the European Space Agency are now on the

10  
00:00:40,090 --> 00:00:37,590  
verge of launching a huge optical

11  
00:00:43,819 --> 00:00:40,100  
observatory into orbit around the earth

12  
00:00:45,790 --> 00:00:43,829  
Hubble Space Telescope will see objects

13  
00:00:49,490 --> 00:00:45,800

even near the edge of the known universe

14

00:00:52,310 --> 00:00:49,500

with 10 times finer detail than possible

15

00:00:54,920 --> 00:00:52,320

from the ground at the heart of the

16

00:00:57,740 --> 00:00:54,930

observatory is an 8-foot mirror ground

17

00:00:59,900 --> 00:00:57,750

to near perfection when pointed at an

18

00:01:03,470 --> 00:00:59,910

object the mirror collects light and

19

00:01:05,780 --> 00:01:03,480

sends it to six instruments various

20

00:01:07,609 --> 00:01:05,790

satellites and ground stations relay the

21

00:01:10,160 --> 00:01:07,619

instruments information to the Space

22

00:01:12,980 --> 00:01:10,170

Telescope Science Institute in Baltimore

23

00:01:14,630 --> 00:01:12,990

Maryland viewing screens will allow

24

00:01:17,570 --> 00:01:14,640

scientists to make real-time

25

00:01:19,550 --> 00:01:17,580

observations at the same time a

26

00:01:22,609 --> 00:01:19,560

tremendous amount of data will be

27

00:01:24,289 --> 00:01:22,619

generated according to dr. Eric JSON

28

00:01:26,330 --> 00:01:24,299

we're talking about a huge amount of

29

00:01:28,580 --> 00:01:26,340

information in fact we colloquially

30

00:01:30,620 --> 00:01:28,590

referred to this as drinking from a

31

00:01:33,710 --> 00:01:30,630

firehose in order to help astronomers

32

00:01:36,410 --> 00:01:33,720

plan observations the Space Telescope

33

00:01:39,260 --> 00:01:36,420

Institute has the largest star catalogue

34

00:01:43,399 --> 00:01:39,270

in the world containing 19 million

35

00:01:45,950 --> 00:01:43,409

celestial objects the catalogue was made

36

00:01:48,920 --> 00:01:45,960

by scanning over 1,400 photographic

37

00:01:52,010 --> 00:01:48,930

plates of the entire sky the plates are

38

00:01:54,350 --> 00:01:52,020

also stored in a giant database so

39

00:01:57,080 --> 00:01:54,360

astronomers can call up a region like

40

00:02:00,649 --> 00:01:57,090

the Andromeda galaxy and manipulate the

41

00:02:06,020 --> 00:02:03,800

in our lifetime Space Telescope should

42

00:02:10,219 --> 00:02:06,030

match the discoveries made since the

43

00:02:12,979 --> 00:02:10,229

beginning of astronomy we hope to see in

44

00:02:15,170 --> 00:02:12,989

the words of Galileo Galilei wondrous

45

00:02:19,369 --> 00:02:15,180

things those were the words that he used

46

00:02:22,610 --> 00:02:19,379

in 1609 we want to see star systems we

47

00:02:24,740 --> 00:02:22,620

want to see images of the planets but in

48

00:02:27,080 --> 00:02:24,750

particular space telescope is designed

49

00:02:29,869 --> 00:02:27,090

to look out into deep space to study

50

00:02:31,580 --> 00:02:29,879

deep space astrophysics to go out to

