Sony 1500 Camera RPN Compensation

CAMERA MUST BE POWERED ON FOR AT LEAST 1 HOUR PREFERABLY 2 TO 3 HOURS

In order to more easily identify RPN's, set up the camera and monitor as follows:

Camera:
Gain set at max
Detail off ("Paint" menu - P04)
VF detail off ("Operation" menu - 04)
Close iris/cap camera

Monitor:
Contrast set at max
Adjust brightness for maximum pixel visibility

To determine if pixel is truly an RPN, turn the shutter on - 1/2000. If pixel disappears, camera has an RPN.

Go to service menu S05 – if APR at ABB is set to "OFF",
Execute "Auto Conceal" at least five times. If pixel remains, must perform manual RPN elimination.

If APR is set on, ABB will perform RPN "Auto Conceal" along with ABB - **Execute ABB at least five times.** If pixel remains, must perform manual RPN elimination.

Sony 1500 Camera RPN Compensation

In order to more easily identify RPN's, set up the camera and monitor as follows:

Camera:
Gain set at max
Detail off
Close iris

Monitor:
Contrast set at max
Adjust brightness for maximum pixel visibility

To determine if pixel is truly an RPN, turn the shutter on. If pixel disappears, camera has an RPN.

Go to service menu S05 – ensure that APR at ABB is set to "ON"
Execute ABB at least five times. If pixel is not concealed, go back to service menu S05 and execute "Auto Conceal". If pixel remains, must perform manual RPN elimination.

Manual RPN elimination:

Go to service menu S03

• RPN CH Select	RGB - determine which channel has the RPN
• RPN Cursor	ON
• Cursor Jump	To bring cross hairs close to RPN (also shows location of other recorded RPN's)
• Cursor H pos	Center RPN in the cross hairs
• Cursor V pos	Center RPN in the cross hairs
• RPN width	3 or 4
• Record RPN	Execute when RPN centered in cross hairs

If RPN is not eliminated with "Record RPN", there is probably an adjacent RPN. **DO NOT** change Cursor H and V position until "Delete RPN" is executed. **Must** "Delete RPN" **every** time that "Record RPN" is executed and the RPN is **not** eliminated. This will prevent recording RPN's that do not exist.

At this point, it will become necessary to, patiently and painstakingly, make slight changes to Cursor H and V positions and repeat the above procedure until the RPN **is** eliminated.

<u>Manual RPN elimination using External Monitor:</u>

- Connect monitor to camera SDI 1 connector
- Select "Service" menu
- At S01 question mark, hold encoder in until arrow appears at "Scene File Type: 5"
- Cycle menu off and on
- "Service2" should now be directly under "Service"
- Select Service2
- At S01, use monitor select to select channel to be viewed at SDI 1

Go to "Service" menu – S03

- RPN Cursor   ON
- Cursor Jump   Bring cross hairs as close as possible to RPN (also shows location of other recorded RPN's)
- Cursor H pos   Center RPN in the cross hairs
- Cursor V pos   Center RPN in the cross hairs
- Make note of H and V position numbers
- RPN width   3 or 4
- RPN CH Select   RGB – match with channel selected above
- Record RPN   Execute when RPN centered in cross hairs

Turn cursor off and determine if RPN was eliminated

If RPN is not eliminated with "Record RPN", **DO NOT** change Cursor H and V position until "Delete RPN" is executed. **Must** "Delete RPN" **every** time that "Record RPN" is executed and the RPN is **not** eliminated. This will prevent recording RPN's that do not exist.

At this point, make slight changes to Cursor H and V positions and repeat the above procedure until the RPN **is** eliminated.

<u>Manual RPN elimination using the View Finder:</u>

Using an HDVF-C950W will make this procedure much easier to perform and identify RPN(s)

Go to "Operation" menu – 07
- VF Out   Select channel – R, G, or B to determine location of RPN(s)

Go to "Service" menu - S03
- RPN Cursor   ON
- Cursor Jump   Bring cross hairs as close as possible to RPN (also shows location of other recorded RPN's)
- Cursor H pos   Center RPN in the cross hairs
- Cursor V pos   Center RPN in the cross hairs
- Make note of H and V position numbers
- RPN width   3 or 4
- RPN CH Select   RGB – match with channel selected above
- Record RPN   Execute when RPN centered in cross hairs

Turn cursor off and determine if RPN was eliminated

If RPN is not eliminated with "Record RPN", **DO NOT** change Cursor H and V position until "Delete RPN" is executed. **Must** "Delete RPN" **every** time that "Record RPN" is executed and the RPN is **not** eliminated. This will prevent recording RPN's that do not exist.

At this point, make slight changes to Cursor H and V positions and repeat the above procedure until the RPN **is** eliminated.