

Re: [PATCH 05/26] atl1: print debug info if rrd error

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-01/msg08650.html>

- *From:* Jeff Garzik <jeff@xxxxxxxxxxx>
 - *Date:* Tue, 22 Jan 2008 04:55:31 -0500
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jacliburn@xxxxxxxxxxxxxxxx wrote:

From: Jay Cliburn <jacliburn@xxxxxxxxxxxxxxxx>

Add some debug dev_printks if we encounter a bad receive return descriptor.

Signed-off-by: Jay Cliburn <jacliburn@xxxxxxxxxxxxxxxx>

drivers/net/atlx/atl1.c | 21 ++++++++
1 files changed, 20 insertions(+), 1 deletions(-)

```
diff --git a/drivers/net/atlx/atl1.c b/drivers/net/atlx/atl1.c
index 239641f..262d3ca 100644
--- a/drivers/net/atlx/atl1.c
+++ b/drivers/net/atlx/atl1.c
@@ -1127,7 +1127,26 @@ static void atl1_intr_rx(struct atl1_adapter *adapter)
if (likely(rrd->xsz.valid)) { /* packet valid */
chk_rrd:
/* check rrd status */
- if (likely(rrd->num_buf == 1))
+ if (rrd->num_buf != 1) {
+ dev_printk(KERN_DEBUG, &adapter->pdev->dev,
+ "rx_buf_len = %d\n",
+ adapter->rx_buffer_len);
+ dev_printk(KERN_DEBUG, &adapter->pdev->dev,
+ "RRD num_buf = %d\n",
+ rrd->num_buf);
+ dev_printk(KERN_DEBUG, &adapter->pdev->dev,
+ "RRD pkt_len = %d\n",
+ rrd->xsz.xsum_sz.pkt_size);
+ dev_printk(KERN_DEBUG, &adapter->pdev->dev,
+ "RRD pkt_flg = 0x%08X\n",
+ rrd->pkt_flg);
+ dev_printk(KERN_DEBUG, &adapter->pdev->dev,
+ "RRD err_flg = 0x%08X\n",
+ rrd->err_flg);
+ dev_printk(KERN_DEBUG, &adapter->pdev->dev,
+ "RRD vlan_tag = 0x%08X\n",
+ rrd->vlan_tag);
```

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+ } else

look into netif_msg_*, which enables via ethtool very fine-grained selection of messages.

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