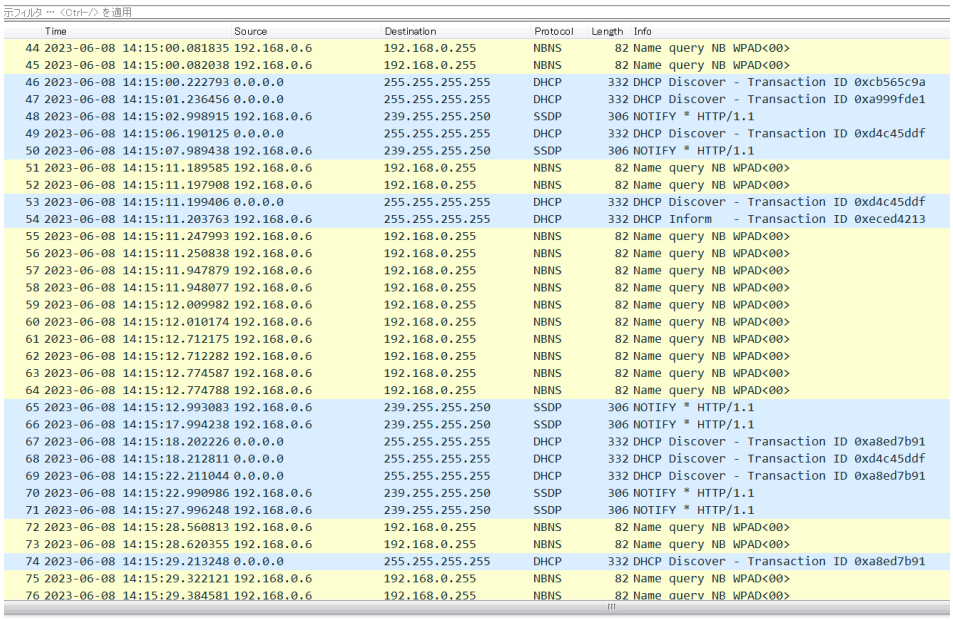
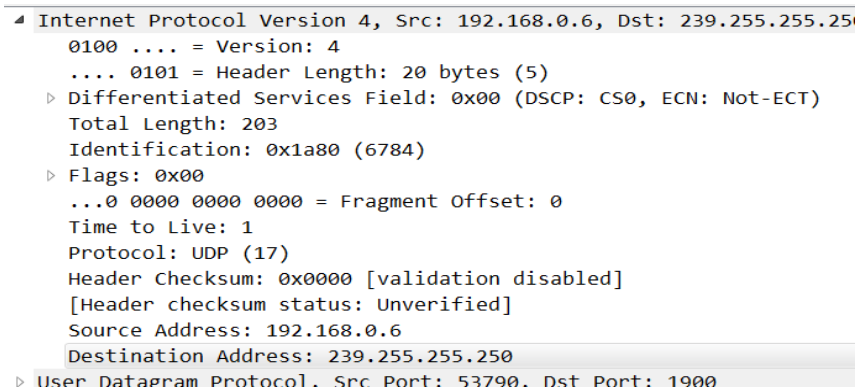
0609

前回は Coordinator→Enddevice を実施したが，今回は Enddevice→Coordinator を行った．
Polling を解除し，キーボード入力で Coordinator に送信した．

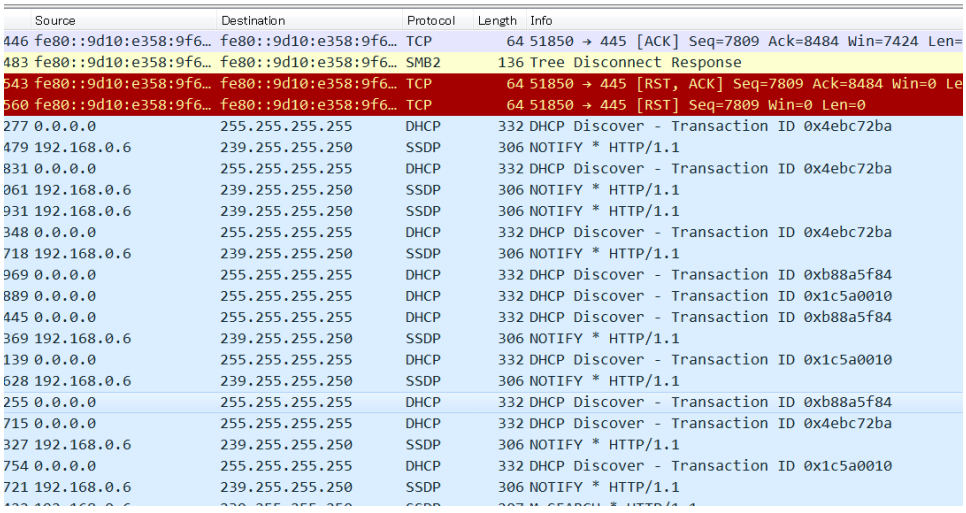
Enddevice のデータを受け取ったら，Coordinator は Enddevice に ACK としてデータを送信するが， Enddevice は受信できていなかった． Polling の解除が原因か．
＞今回は必要ないため，修正しなかった．



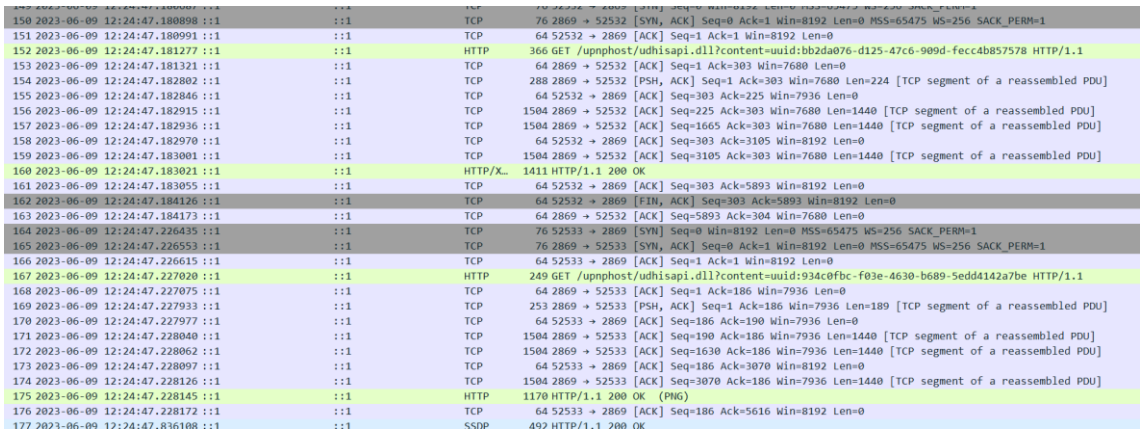
	Time	Source	Destination	Protocol	Length	Info
44	2023-06-08 14:15:00.081835	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
45	2023-06-08 14:15:00.082038	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
46	2023-06-08 14:15:00.222793	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0xcb565c9a
47	2023-06-08 14:15:01.236456	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0xa999fde1
48	2023-06-08 14:15:02.998915	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
49	2023-06-08 14:15:06.190125	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0xd4c45ddf
50	2023-06-08 14:15:07.989438	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
51	2023-06-08 14:15:11.189585	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
52	2023-06-08 14:15:11.197908	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
53	2023-06-08 14:15:11.199406	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0xd4c45ddf
54	2023-06-08 14:15:11.203763	192.168.0.6	255.255.255.255	DHCP	332	DHCP Inform - Transaction ID 0xeced4213
55	2023-06-08 14:15:11.247993	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
56	2023-06-08 14:15:11.250838	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
57	2023-06-08 14:15:11.947879	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
58	2023-06-08 14:15:11.948077	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
59	2023-06-08 14:15:12.009982	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
60	2023-06-08 14:15:12.010174	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
61	2023-06-08 14:15:12.712175	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
62	2023-06-08 14:15:12.712282	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
63	2023-06-08 14:15:12.774587	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
64	2023-06-08 14:15:12.774788	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
65	2023-06-08 14:15:12.993083	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
66	2023-06-08 14:15:17.994238	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
67	2023-06-08 14:15:18.202226	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0xa8ed7b91
68	2023-06-08 14:15:18.212811	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0xd4c45ddf
69	2023-06-08 14:15:22.211044	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0xa8ed7b91
70	2023-06-08 14:15:22.990986	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
71	2023-06-08 14:15:27.996248	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
72	2023-06-08 14:15:28.560813	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
73	2023-06-08 14:15:28.620355	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
74	2023-06-08 14:15:29.213248	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0xa8ed7b91
75	2023-06-08 14:15:29.322121	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>
76	2023-06-08 14:15:29.384581	192.168.0.6	192.168.0.255	NBNS	82	Name query NB WPAD<00>



```
▲ Internet Protocol Version 4, Src: 192.168.0.6, Dst: 239.255.255.25
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
  ▷ Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 203
    Identification: 0x1a80 (6784)
  ▷ Flags: 0x00
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 1
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 192.168.0.6
    Destination Address: 239.255.255.250
▷ User Datagram Protocol, Src Port: 53790, Dst Port: 1900
```



	Source	Destination	Protocol	Length	Info
446	fe80::9d10:e358:9f6…	fe80::9d10:e358:9f6…	TCP	64	51850 → 445 [ACK] Seq=7809 Ack=8484 Win=7424 Len=
483	fe80::9d10:e358:9f6…	fe80::9d10:e358:9f6…	SMB2	136	Tree Disconnect Response
543	fe80::9d10:e358:9f6…	fe80::9d10:e358:9f6…	TCP	64	51850 → 445 [RST, ACK] Seq=7809 Ack=8484 Win=0 Le
560	fe80::9d10:e358:9f6…	fe80::9d10:e358:9f6…	TCP	64	51850 → 445 [RST] Seq=7809 Win=0 Len=0
277	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0x4ebc72ba
479	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
831	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0x4ebc72ba
061	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
931	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
348	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0x4ebc72ba
718	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
969	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0xb88a5f84
889	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0x1c5a0010
445	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0xb88a5f84
369	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
139	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0x1c5a0010
628	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
255	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0xb88a5f84
715	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0x4ebc72ba
327	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1
754	0.0.0.0	255.255.255.255	DHCP	332	DHCP Discover - Transaction ID 0x1c5a0010
721	192.168.0.6	239.255.255.250	SSDP	306	NOTIFY * HTTP/1.1



150	2023-06-09 12:24:47.180898	::1	::1	TCP	76	2869 → 52532 [SYN, ACK] Seq=0 Ack=1 Win=8192 Len=0 MSS=65475 WS=256 SACK_PERM=1
151	2023-06-09 12:24:47.180991	::1	::1	TCP	64	52532 → 2869 [ACK] Seq=1 Ack=1 Win=8192 Len=0
152	2023-06-09 12:24:47.181277	::1	::1	HTTP	366	GET /upnphost/udhisapi.dll?content=uuid:bb2da076-d125-47c6-909d-fecc4b857578 HTTP/1.1
153	2023-06-09 12:24:47.181321	::1	::1	TCP	64	2869 → 52532 [ACK] Seq=1 Ack=303 Win=7680 Len=0
154	2023-06-09 12:24:47.182802	::1	::1	TCP	288	2869 → 52532 [PSH, ACK] Seq=1 Ack=303 Win=7680 Len=224 [TCP segment of a reassembled PDU]
155	2023-06-09 12:24:47.182846	::1	::1	TCP	64	52532 → 2869 [ACK] Seq=303 Ack=225 Win=7936 Len=0
156	2023-06-09 12:24:47.182915	::1	::1	TCP	1504	2869 → 52532 [ACK] Seq=225 Ack=303 Win=7680 Len=1440 [TCP segment of a reassembled PDU]
157	2023-06-09 12:24:47.182936	::1	::1	TCP	1504	2869 → 52532 [ACK] Seq=1665 Ack=303 Win=7680 Len=1440 [TCP segment of a reassembled PDU]
158	2023-06-09 12:24:47.182970	::1	::1	TCP	64	52532 → 2869 [ACK] Seq=303 Ack=3105 Win=8192 Len=0
159	2023-06-09 12:24:47.183001	::1	::1	TCP	1504	2869 → 52532 [ACK] Seq=3105 Ack=303 Win=7680 Len=1440 [TCP segment of a reassembled PDU]
160	2023-06-09 12:24:47.183021	::1	::1	HTTP/X…	1411	HTTP/1.1 200 OK
161	2023-06-09 12:24:47.183055	::1	::1	TCP	64	52532 → 2869 [ACK] Seq=303 Ack=5893 Win=8192 Len=0
162	2023-06-09 12:24:47.184126	::1	::1	TCP	64	52532 → 2869 [FIN, ACK] Seq=303 Ack=5893 Win=8192 Len=0
163	2023-06-09 12:24:47.184173	::1	::1	TCP	64	2869 → 52532 [ACK] Seq=5893 Ack=304 Win=7680 Len=0
164	2023-06-09 12:24:47.226435	::1	::1	TCP	76	52533 → 2869 [SYN] Seq=0 Win=8192 Len=0 MSS=65475 WS=256 SACK_PERM=1
165	2023-06-09 12:24:47.226553	::1	::1	TCP	76	2869 → 52533 [SYN, ACK] Seq=0 Ack=1 Win=8192 Len=0 MSS=65475 WS=256 SACK_PERM=1
166	2023-06-09 12:24:47.226615	::1	::1	TCP	64	52533 → 2869 [ACK] Seq=1 Ack=1 Win=8192 Len=0
167	2023-06-09 12:24:47.227020	::1	::1	HTTP	249	GET /upnphost/udhisapi.dll?content=uuid:934c0fbc-f03e-4630-b689-5edd4142a7be HTTP/1.1
168	2023-06-09 12:24:47.227075	::1	::1	TCP	64	2869 → 52533 [ACK] Seq=1 Ack=186 Win=7936 Len=0
169	2023-06-09 12:24:47.227933	::1	::1	TCP	253	2869 → 52533 [PSH, ACK] Seq=1 Ack=186 Win=7936 Len=189 [TCP segment of a reassembled PDU]
170	2023-06-09 12:24:47.227977	::1	::1	TCP	64	52533 → 2869 [ACK] Seq=186 Ack=190 Win=7936 Len=0
171	2023-06-09 12:24:47.228040	::1	::1	TCP	1504	2869 → 52533 [ACK] Seq=190 Ack=186 Win=7936 Len=1440 [TCP segment of a reassembled PDU]
172	2023-06-09 12:24:47.228062	::1	::1	TCP	1504	2869 → 52533 [ACK] Seq=1630 Ack=186 Win=7936 Len=1440 [TCP segment of a reassembled PDU]
173	2023-06-09 12:24:47.228097	::1	::1	TCP	64	52533 → 2869 [ACK] Seq=186 Ack=3070 Win=8192 Len=0
174	2023-06-09 12:24:47.228126	::1	::1	TCP	1504	2869 → 52533 [ACK] Seq=3070 Ack=186 Win=7936 Len=1440 [TCP segment of a reassembled PDU]
175	2023-06-09 12:24:47.228145	::1	::1	HTTP	1170	HTTP/1.1 200 OK (PNG)
176	2023-06-09 12:24:47.228172	::1	::1	TCP	64	52533 → 2869 [ACK] Seq=186 Ack=5616 Win=8192 Len=0
177	2023-06-09 12:24:47.836108	::1	::1	SSDP	492	HTTP/1.1 200 OK

E→C の間に Router があり，マルチホップネットワークが構築されていると過程すれば，Sniffer が搭載している R の表示に， Source は E， Destination は C のアドレスを期待していたが，上記の画像より不明である．
各 MONOSTICK の MAC アドレスは把握しているが，このアドレスは IP アドレスであるため，どれが E なのか C なのかを区別する必要がある．

スケジュールについて

	スケジュール	実施したこと	できなかったこと	来週への課題
5/26 ~ 6/2	・JN5169にbeaconがないため JN5189を使用	・JN5189を検討結果使用しない ・pollコードを制御	・wiresharkの全般の理解	・JN5169を継続 ・E→Cの送信で検証 ・wiresharkでの確認
6/2 ~ 9	・E→Cでの送信を wiresharkで確認	・E→Cでの送信	・wiresharkでの正確な表示	・ArduinoかRaspberry Piを用いてAD変換を実施する.
6/9 ~ 23	・UARTのSetup			
6/23 ~7/7	・実際にセンサを使用			